CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Office, New York, N. Y., L. Adler having plans prepared, $6,000,000.

Masonic temple, Albany, N. Y., J. B. Badgley, chn., having plans prepared, $3,000,000.

Apartment, Chicago, Ill., Lake View Ave. Building Corp. had plans prepared, $2,500,000.

City Hall, Newark, N. J., Dept. of Parks and Public Property soon takes bids, $2,500,000.

Court house, Chicago, Ill., City had plans prepared, $2,500,000.

Church and rectory, New York, N. Y., Church of the Heavenly Rest soon takes bids, $2,000,000.

Court house, Hartford, Conn., Hartford Co. Building Com. having plans prepared, $1,308,000.

Apartment, Chicago, Ill., Orman & Lilienthal, archts., made plans and soon takes bids, $1,300,000.

Bath house, Dallas, Tex., Park Board plans memorial hospital and mineral water bath house, $1,000,000.

Theatre, Brooklyn, N. Y., Universal Pictures Corp. plans building, $1,000,000.

Power plant, Amarillo, Tex., C. Berg & H. H. Simpson plans power plant, $1,000,000.

Office, Seattle, Wash., Municipal Light Dept. having plans prepared, $1,000,000.

Office, New York, N. Y., Malpac Holding Co. having plans prepared, $1,000,000.

Bids Wanted

Office, Philadelphia, Pa., July 13, by R. B. Bencher, archt., for Chanceller Realty Co., $1,200,000.

Contracts

Office and store, Chicago, Ill., E. Jackson let general contract to Starrett & Dilks Co.; steel contract to American Bridge Co.; total $6,100,000.

Library, New Haven, Conn., Yale University to Marc Eidlitz, New York City, $6,000,000.

Hotel, Gary, Ind., Gary Hotel Bldg. Co. to M. Gerometta, $2,000,000.

Apartment, New York, N. Y. M. E. Paterno Corp. by separate contracts, $2,000,000.

Road work, Georgia, State Highway Dept. to Wallace Constr. Co., Atlanta, and others, $1,207,130.

Church, Medford, Mass., St. James Roman Catholic Church to Walsh Bros., Cambridge, $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
July 16	Brooklyn, N. Y.	July 8
July 16	McKeesport, Pa.	July 8
July 16	Long Island City, N. Y.	July 8
July 16	New York, N. Y.	July 8
July 16	Long Island City, N. Y.	July 15
July 17	Mount Kisco, N. Y.	July 8
July 19	Tarentum, Pa.	July 8
July 19	Charleston, Mo.	June 24
July 19	East Williston, N. Y. Adv. July 8 and 15.	July 8
July 19	Lyndhurst (Rutherford P. O.), N. J. Adv. June 15.	July 15
July 20	Brooklyn, N. Y.	July 15
July 20	Wausau, Wis.	July 15
July 20	Chester, S. C.	July 15
July 20	Otisville, N. Y.	July 1
July 20	New York, N. Y.	July 15
July 20	Atkins, Ark.	July 15
July 21	Cleveland, O.	July 15
July 22	Newark, N. J. Adv. June 24 to July 15.	June 24
July 23	Dover, N. J. Adv. July 15.	July 15
July 26	Jenkintown, Pa. Adv. July 15.	July 15
July 27	St. Louis, Mo.	July 8
July 27	Detroit, Mich.	July 8
July 27	Altus, Okla.	July 15
Aug. 2	Alhambra, Calif. Adv. July 15.	July 15
Aug. 2	Towson, Md. Adv. July 15.	July 15
Aug. 2	Haledon, N. J. Adv. July 15.	July 15
Aug. 3	Ft. Lauderdale, Fla. Adv. July 1 to 15.	July 8
Aug. 5	Ft. Lauderdale, Fla. Adv. July 1 to 15.	July 8
Aug. 12	South Haven, Mich. Adv. July 15.	July 15

Sewers

July 16	El Segundo, Calif.	July 8
July 16	Cleveland Heights (Warrensville, P. O.), O.	July 15
July 17	Mount Kisco, N. Y.	July 8
July 17	Nutter Fort, W. Va.	July 8
July 19	Norwood, Minn.	July 8
July 19	Hastings, Neb.	July 8
July 19	Broadview, Ill.	July 15
July 19	Providence, R. I.	July 15
July 20	Auburn, N. Y.	July 8
July 20	West Palm Beach, Fla. Adv. July 1 to 15.	July 1
July 21	Jacksonville, Fla.	July 8
July 21	Lake Charles, La.	July 8
July 21	Carteret, N. J.	July 8
July 21	Cleveland, O.	July 15
July 21	Chicago, Ill.	July 15
July 26	California	July 15
July 26	Leetonia, O. Adv. July 8 and 15.	July 8

Bids close		*See Eng. News-Record*
July 26	Butler, N. J.	July 8
July 27	Longview, Wash.	July 15
July 28	Delaware, O.	July 8
Aug. 1	Birmingham, Ala.	July 8
Aug. 2	Towson, Md. Adv. July 15.	July 15
Aug. 4	Delaware, O.	July 15
Aug. 10	Powell, Wyo.	July 15
Aug. 10	Ft. Lauderdale, Fla. Adv. July 12 and 15.	July 8
Aug. 12	Ft. Lauderdale, Fla. Adv. July 8 and 15.	July 8

Waste Disposal

July 21	Orlando, Fla.	June 24

Bridges

July 16	Huntington, W. Va.	June 17
July 20	Louisiana	July 1
July 21	Independence, Kan.	July 8
July 21	Wilkes-Barre, Pa.	June 24
July 21	New Jersey and New York	July 1
July 21	Florida	July 1
July 21	Providence, R. I.	July 8
July 21	Michigan	July 15
July 22	Michigan	July 15
July 23	Kalamazoo, Mich.	July 8
July 26	Kentucky	July 1
July 26	Livermore, Calif.	July 15
July 26	Del Mar, Calif.	July 15
July 27	Lyndon, Kan.	July 15
July 27	Girard, O.	July 1
July 27	Indiana	July 15
July 27	New Brunswick, N. J. Adv. July 15.	July 15
July 28	Michigan	July 15
July 29	Connecticut Adv. July 15.	July 15
July 29	Columbus, Kan.	July 15
July 30	Batesville, Ark. Adv. July 15.	July 15
July 30	Batesville, Ark.	July 15
Aug. 2	Mississippi	July 1
Aug. 3	Akron, O.	July 15
Aug. 9	Morgantown, W. Va. Adv. July 15.	July 15
Dec. 1	Copenhagen, Denmark Adv. July 15.	July 15

Excavation, Drainage, Irrigation, Levees, River and Harbor

July 21	Billings, Mont.	July 1
Aug. 10	Vero Beach, Fla. Adv. July 15.	July 15

Streets and Roads

July 16	Dayton, O.	July 8
July 16	Ohio	July 8
July 16	Pennsylvania	July 1
July 16	Long Island City, N. Y.	July 8

Bids close		*See Eng. News-Record*
July 16	Cincinnati, O.	June 24
July 16	Ohio	July 1
July 16	Bronxville, N. Y.	July 1
July 16	Cleveland Heights (Warrensville P. O.), O.	July 15
July 17	Mount Kisco, N. Y.	July 8
July 19	Durant, Miss.	July 8
July 19	Topeka, Kan.	July 8
July 19	Minneapolis, Minn.	June 24
July 19	Apalachicola, Fla.	June 24
July 19	Topeka, Kan.	July 1
July 19	Maple Heights (Bedford P.O.) O.	July 15
July 19	Lamar, Mo.	July 15
July 19	Mason City, Ia.	July 15
July 19	Duluth, Minn.	July 15
July 19	Lamar, Mo.	July 15
July 19	Boston, Mass.	July 15
July 20	Charles City, Ia.	July 15
July 20	Columbus, O.	July 15
July 20	Connecticut Adv. July 15.	July 15
July 20	Marianna, Fla.	July 15
July 20	South Dakota	July 15
July 20	Port Gibson, Miss.	July 8
July 20	Lakeland, Fla.	July 1
July 20	Louisiana	July 8
July 20	Eldorado, Kan.	July 1
July 20	Dover, N. J. Adv. July 8 and 15.	July 8
July 20	Manasquan, N. J. Adv. July 8 and 15.	July 8
July 20	Mansfield, La.	July 8
July 20	Toms River, N. J.	July 8
July 20	Asbury Park, N. J.	July 8
July 20	West Palm Beach, Fla.	July 8
July 20	Hinsdale, Mass.	July 8
July 20	Wisconsin	July 15
July 20	Omaha, Neb.	July 15
July 20	Bound Brook, N. J. Adv. July 15.	July 15
July 20	Toms River, N. J. Adv. July 15.	July 15
July 20	Maryland Adv. July 15.	July 15
July 20	Boston, Mass.	July 15
July 20	Massachusetts	July 15
July 21	Florida	July 1
July 21	Rye, N. Y. Adv. July 8 and 15.	July 8
July 21	Cleveland, O.	July 15
July 21	Florida	July 15
July 21	Brooklyn, N. Y.	July 15
July 21	Baltimore, Md.	July 15
July 21	Wisconsin	July 15
July 22	Racine, Wis.	July 15
July 22	Medford (br. Boston), Mass.	July 15
July 22	Bentonville, Ark.	July 15
July 23	Atchison, Kan.	July 15
July 23	New York, N. Y.	July 15
July 23	New Hampshire	July 15
July 24	Napa, Calif.	July 15
July 24	Rocky Mount, N. C.	July 15

See proposal advertising on page 138

TRADE "LEADITE" MARK
Registered U. S. Pat. Office

Jointing Water Mains

Laying 20-in. c. i. water mains with LEADITE joints thru rough and mountainous country.

Whether you are building an entirely new system or making an extension, laying large or small mains, you will save time, money and labor by using LEADITE.

In making a LEADITE joint NO CAULKING is necessary. Just yarn the joint and pour it full of molten LEADITE; it is an easy and quick operation.

LEADITE allows you to lay more pipe per day. This means getting water into the line without delay.

The quicker you get water to the consumer, the sooner the line produces revenue.

LEADITE makes the work easier on the men by eliminating much of the drudgery of pipe laying. You know what this means in the cold of winter and the heat of summer, and in bad trenches.

The varied applicability of LEADITE makes it the ideal material for jointing cast iron B. & S. water mains.

You will use LEADITE sooner or later as its advantages cannot help but appeal to you favorably.

Familiarize yourself with LEADITE now.

LEADITE does not corrode or rust.

Users know LEADITE makes a good joint.

LEADITE joints improve with age.

LEADITE has been successfully tested and used for over 30 years.

Thousands of miles of pipe jointed with LEADITE are in service.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close *See Eng. News-Record*

July 25 Michigan ..... June 17
July 26 Cedar Rapids, Ia. ..... July 15
July 26 Fairmont, W. Va. ..... July 15
July 26 California ..... July 15
July 26 Minot, N. D. ..... July 15
July 26 Kentucky ..... July 1
July 26 Kentucky ..... July 8
July 26 New Jersey ..... July 8
Adv. July 8 and 15.
July 26 Ventura, Calif. ..... July 15
July 26 San Diego, Calif. ..... July 15
July 26 Okron, O. ..... July 15
July 26 New Mexico ..... July 15
July 27 Washington ..... July 15
July 27 Winamac, Ind. ..... July 15
July 27 Pennsylvania ..... July 15
Adv. July 15.
July 27 Louisiana ..... July 8
July 27 St. Louis, Mo. ..... July 8
July 27 Louisiana ..... June 24
July 28 Alabama ..... July 15
July 28 Jacksonville, Fla. ..... July 15
July 29 Evansville, Ind. ..... July 15
July 30 Marion, Kan. ..... July 15
Aug. 1 Birmingham, Ala. ..... July 8
Aug. 2 Riverside, Ill. ..... July 15
Aug. 3 Norristown, Pa. ..... July 15
Adv. July 15.
Aug. 3 Wabash, Ind. ..... July 15
Aug. 9 Morgantown, W. Va. ..... July 15
Aug. 28 Goshen, Ind. ..... July 15

Buildings—Commercial

July 20 Portland, Ore. ..... July 8
July 21 Jamestown, N. Y. ..... July 15
Aug. 2 Cleveland, O. ..... June 24
Aug. 3 Alexandria, La. ..... July 8
Aug. 6 Oaklandon, Ind. ..... July 8
Aug. 6 Sunnyside (mail Indianapolis), Ind. ..... July 8
July 27 Boston, Mass. ..... July 15
July 29 Boston, Mass. ..... July 15
Sept. 1 Vancouver, B. C. ..... Apr. 22
Nov. 15 Duluth, Minn. ..... July 15

Buildings—Industrial

July 21 White Plains, N. Y. ..... July 15
Adv. July 15.
July 24 Gardner, Mass. ..... July 15

Buildings—Educational, Religious

Bids close *See Eng. News-Record*

July 17 Indianapolis, Ind. ..... July 8
July 19 Berwick, Pa. ..... July 15
July 20 Eureka, Ill. ..... July 15
July 21 Los Angeles, Calif. ..... July 15
July 21 Dayton, O. ..... July 1
July 21 Wauwatosa, Wis. ..... July 15
July 26 Pelham (Ind. br. New York), N. Y. ..... July 15
July 27 Aberdeen, S. D. ..... July 8
July 27 Easton, O. ..... July 15
July 28 Little Neck (mail Douglaston), N. Y. ..... July 15
Aug. 2 Hartford, Conn. ..... July 15
Aug. 2 Hartford, Conn. ..... July 15

Federal Government Work

July 19 Post Office—Logansport, Ind. ..... July 8
July 20 Remodeling—Bristol, Conn. July 8
July 20 Transformers — Florence, Ala. ..... June 17
July 20 Dredging — New York, N. Y. ..... July 15
July 21—Dredging—Newport, R. I. July 15
July 22 Dredging — New York, N. Y. ..... July 15
July 22 Driveway—Saginaw, Mich. July 8
July 23 Breakwater—Providence, R. I. ..... June 24
Adv. June 24 to July 15.
July 26 Dikes—Huntsdale, Mo. ... July 8
July 26 Heating—San Antonio, Tex. ..... July 8
July 27 Hospital — Northport, N. Y. ..... June 10
July 27 Dredging—Stamford, Conn. ..... July 15
Adv. July 15.
July 29 Dredging—Los Angeles, Calif. ..... June 24
July 30 Stone—Cold Spring, N. J. ... July 8
Adv. July 8 and 15.
July 30 Stone—Wilmington, Del. .. July 15
Aug. 2 Equipment, Wash., D. C. .. July 8
Adv. July 8 and 15.
Aug. 11 Refrigerating Plant—Coco Solo, C. Z. ..... July 15
Adv. July 15.

Bids close *See Eng. News-Record*

Aug. 18 Dam—Orlando, Calif. .... July 15
Adv. July 15.
Sept. 15 Quarters—Canacao, P. I. .. July 1

Unclassified

July 17 Foundation, etc.—Chicago, Ill. ..... July 15
July 19 Pump, etc.—Syracuse, N. Y. ..... July 8
July 19 Heating, Ventilating, etc.—Evansville, Ind. ..... July 15
July 19 Heating, Ventilating, etc.—Columbus, Ind. ..... July 15
July 19 Property Improvements — Cleveland, O. ..... July 15
July 20 Electrical Equipment—New York, N. Y. ..... June 24
July 22 Lighting System—Chicago, Ill. ..... July 15
July 22 Playground—Boston, Mass. ..... July 15
July 23 Swimming Pool and Bath House—Cleveland, O. .... July 15
July 23 Grade Crossing — Phila. Pa. ..... July 15
July 27 Steel Cages—Stuart, Fla. .. July 8
Adv. July 8 and 15.
July 28 Air Compressor—Kings Park, N. Y. ..... July 15
Adv. July 15.
Aug. 5 Street Lighting System—Gouverneur, N. Y. ..... July 15
Adv. July 15.
Aug. 16 Turbo-Generator—Moose Jaw, Sask. ..... June 24
Sept. 30 Crane Gantries, etc.—Otahuhu, New Zealand ..... May 20
Nov. 1 Buildings, etc.—New Zealand ..... July 1

Materials

July 16 Frogs, Switches, etc.,—Phila., Pa. ..... July 15
July 21 Granite Block—Chicago, Ill. ..... July 15
July 21 Piling—Los Angeles, Calif. July 15
July 23 Timber—New York, N. Y. July 15

News of New Work

Waterworks

Proposed Work

Mass., Amesbury—Town, Water Supply Dept., takes bids after July 20, additional water supply. $15,000 or more. Weston & Sampson, 14 Beacon St., Boston, engrs. Noted July 8.

N. C., Lenoir—Plans new waterworks and sewer extensions. $35,000 bonds voted.

Fla., Vero Beach—Voted $150,000 bonds, improving water and light systems.

Mich., North Muskegon (Sta. Muskegon)—Voted $36,000 bonds, 12,000 ft. 4 and 6 in. c.i. mains, etc., in various streets. G. W. Clark, Clinton and Grand Sts., Muskegon, engrs.

Mich., Royal Oak (Ind. br. Detroit)—Making plans 6 and 8 in. c.i. mains, etc., in Campbell Rd., Parent St., Woodward, Chandler, and McLean Aves., Roywood and Benjamin Estates subdivisions, and 12 in. main loop addition in Campbell Rd. from Ten Mile Rd. to 11 Mile Rd. $42,500. Hoad, Decker, Shoecraft & Drury, Ann Arbor, Mich., engrs.

Ill., Collinsville—Voted $40,000 bonds waterworks improvements, incl. deep well with pump and mains from Jefferson Ave. to reservoir.

Mo., Deepwater—See "Sewers."

Mo., Princeton—Election soon $15,000 bonds, extending waterworks. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, engrs.

Tex., Galveston — Voted $300,000 bonds, mains, etc., in various streets. C. A. Holt, Jr., city engr. Noted June 10.

Tex., Muleshoe—Voted $40,000 bonds new waterworks. Montgomery & Ward, 545 Harvey-Snider Bldg., Wichita Falls, engrs. Noted June 17.

Okla., Seminole—Making plans 17,800 ft. c.i. mains, etc., in various streets. $60,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Wash., Seattle—Water Dept. plans 9 ft. tunnel under Lake Washington ship canal east of Montlake Bridge, carrying 54 in. watermain furnishing additional water supply to University Dist., etc. $800,000.

Calif., De Salba—Pacific Gas & Electric Co., 245 Market St., San Francisco, plans storage dam, 140 ft. earth fill on Clear Creek, 7 mi. above here, storing 6,000 acre-ft., 500,000 yd. earth fill sluiced from mountains above. $500,000. Private plans.

Calif., Montecito (mail Santa Barbara)—Montecito Co. Water Dist., making plans 45 m.g. storage reservoir. C. Wyant, 29 San Ysidro Rd., Santa Barbara, engr.

Calif., Pomona—Plans election $850,000 bonds, improving water system, invol. wells, pumping plants, reservoirs, etc. F. C. Froehe, city engr.

Calif., Riverside—Making plans domestic water system in Cleveland, Victoria Aves., etc. To exceed $25,000. G. A. Mills, city clk.

Calif., Sacramento—Voted $350,000 bonds, additional filter beds at filtration plant; also $550,000 bonds, mains in various streets. A. J. Wagner, city engr. Noted June 3.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Calif., San Francisco—Making plans extending high pressure watermains in Park-Presidio and Richmond Dists. To exceed $25,000. M. M. O'Shaughnessy, city engr.

Bids Desired

N. Y., Brooklyn—July 20, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Island Ave., Avenues U, V and W, etc., here.

N. Y., Long Island City—July 16, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City mains, in Lotus and 25th Aves., 58th, 98th, 99th Sts., etc.

N. Y., New York—July 20, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in 7th Ave., East 50th, West 50th and 51st Sts.

N. J., Haledon—Aug. 2, by Borough Council, clear well at filter plant in North Haleton. A. W. Cuddeback, 158 Ellison St., Paterson, engr.; adv. E. N.-R. July 15.

N. J., Lyndhurst (Rutherford P. O.)—July 19, by Bd. Twp. Comrs., Town Hall, Valleybrook and Weart Aves., 9,250 ft. 4 and 6 in. c.i. water pipe, etc., f.o.b. Lyndhurst. D. J. Livelli, twp. clk.; adv. E. N.-R. July 15.

N. J., Dover—July 23, by Toms River Water Co., 36 Main St., Toms River, constructing water mains, with valves, hydrants, etc. Sincerbeaux, Moore & Shinn, consult. engrs. Toms River; adv. E. N.-R. July 15.

Md., Towson—Aug. 2, by Comrs. Baltimore Co., mains in Liberty Heights Ave., Belair and Philadelphia Rds. A. E. Walden, chf. engr.; adv. E.N.-R. July 15.

S. C., Chester—July 20, by Mayor, 200,000 gal. filtration plant, 500,000 gal. clear water reservoir, 50,000 gal. wash water tank, 150,000 gal. elevated steel tank, 2 mi. 12 in. c.i. pipe, and necessary construction work for several miles sewer distribution. W. H. Booker, Charlotte, engr. Noted June 8.

O., Cleveland—July 21, by Bd. Comrs. Cuyahoga Co., 6,000 ft. 6- to 16-in. c.i. mains in Lorain Ave. and West 231st St. F. Williams, Court House, engr.

O., Cleveland Heights (Warrensville P. O.)—See "Sewers."

Mich., South Haven—Aug. 12, by Bd. Pub. Wks., South Haven, improving waterworks, incl. Div. A, B, C, and D. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill. engrs.; adv. E. N.-R. July 15.

Wis., Wausau—July 20, by J. M. Howarth, supt. Waterworks, constructing filtration—aeration plant, incl. 15 x 93 x 143 ft. concrete structure, 2 story, 37 x 143 ft., brick and tile plant, sluice gates, gate valves, sludge pump, heating system, etc. $125,000. W. G. Kirchoffer, 22 North Carroll St., Madison, engrs. Noted May 27.

Ark., Atkins—July 20, by Bd. Comrs. Waterworks Impvts. Dist. 1, 28,500 ft. 4- to 10-in. c.i. mains, 19,500 ft. galvanized

Constr. News page 38

Concrete pavement and driveway of filling station at Effingham, Ill., placed in service *3 days* after laying in March, 1926. This was made possible by using well-authenticated methods to obtain high early strength concrete. Built by Roxana Petroleum Corporation. Standard *Universal* cement, the same quality of *Universal* regularly handled, furnished by Wenthe Bros. Co., Effingham, Ill.

"Open for Business" *3 Days* After Placing Concrete!

Increasing spring demand for gasoline and motor oils caused the Roxana Petroleum Corp. to save all possible time in completing a new gas station at Effingham, Ill. To wait the days usually required for the concrete in the driveway to reach the desired strength meant a loss of business. The construction superintendent did not wait.

By using standard *Universal* cement, the same quality *Universal* regularly used, and methods based on years of research and actual construction, the Roxana company was able to open its station for business in *3 days* after the concrete was placed and to cash in on the increased demand for its products.

Detailed information on the methods for obtaining this strong concrete in *3 days* with standard *Universal* cement on all jobs where time must be saved will be sent promptly on request. Simply use the coupon below.

UNIVERSAL PORTLAND CEMENT CO.
310 South La Salle Street, Chicago.
Please send me details on how to obtain strong concrete in 3 days with standard Universal cement.
Name .....
Address .....
.....
E.N.R. 7-15

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

Waterworks (Continued)

mains, 30 fire hydrants, 140 gal. capacity concrete reservoir or 100,000 gal. capacity steel tank on 100 ft. trestled tower, one 50 hp. engine and pump, etc. Ford & MacCrea, 215 Gazette Bldg., Little Rock, engrs. Noted June 17.

Tex., Amarillo—Taking new bids 82,980 ft. 27 to 36-in. water supply line and surge tanks, $600,000. H. B. Jones, city engr. Wynkoop & Wiersted, 614 Interstate Bldg., Kansas City, Mo., engrs. Former bids rejected. Noted Mar. 4.

Okla., Altus—July 27, by City Clerk, waterworks improvements, incl. dam at Luggert, 18 mi. pipe line, softening plant, tank on tower, etc. $690,000. Benham Eng. Co., 521 Gumbel Bldg., Kansas City, Mo., engrs. Noted May 6.

Calif., Alhambra—Aug. 2, at office City Clerk, City Hall, 5 m.g. water distributing reservoir and appurtenances also 228 ft. 72 in. concrete storm drain. T. B. Downer, ch. engr. and supt. Water Dept.; adv. E. N.-R. July 15.

Bids Received

O., Berea—Clerk and Bd. Trustees Pub. Affairs, filter house addition, incl. 2 coagulating basins, 17,443 and 3 filter beds, etc., from Burinip Constr. Co., 223 East Broad St., Columbus, $30,500. Noted June 17.

O., Cleveland — Comrs. Cuyahoga Co., June 23, 8,006 ft. 6- to 24-in. c.i. main in Lorain Rd., Impvt. 656, from Great Lakes Constr. Co., 6233 St. Clair Ave., $121,192.

Mich., Detroit—Bd. Water Comrs., 176 East Jefferson Ave., constructing 622 ft. 6 to 12 ft. tunnels and concrete chambers at Water Works Park, from A. W. Phelps & Son, Ann Arbor, $158,400; also power cable and wiring, switchboard, etc., from Miller York Inc., 1523 East Congress St. $8,450. Noted June 17.

Wis., West Allis—Bd. Pub. Wks., J. Fetebee, supt., July 2 approximately 15,000 ft. 6 in. c. i. mains in various streets, from Wenzel & Heoch Constr. Co., 498 27th St., Milwaukee, at $2.39 to $2.98 per ft.

Minn., St. Cloud—J. D. McKenzie, city clk., constructing 3 m.g. filtration plant, incl. 750,000 gal. rein.-con. reservoir, and filter building from A. G. Wahl & Son, St. Cloud, $76,000; and equipment, from F. T. Hildred & Co., 108 East 3rd St., St. Paul $22,000. Noted June 17.

Calif., Los Angeles—Supervs. Los Angeles Co., June 21, steel tank and tower, from Llewellyn Iron Wks., 1200 North Main St., 100,000 gal. hemispherical bottom tank $9,500, and from Chicago Bridge & Iron Wks., Rialto Bldg., San Francisco, 100,000 gal. ellip.-bottom tank $10,190; pumps, from Peerless Pump Co., 1602 East 67th St., $1,980; drill water well, from Southern California Well Drilling Corp., 216 Wilhardt St., $2,475; iron body water valves, from T. Haverty Co., 316 East 8th St., $985; pipe and fittings, from B. Nicoll & Co., Rialto Bldg., San Francisco, $20,285; wrought iron pipe and fittings, from Pacific Pipe & Supply Co., 1002 Santa Fe Ave., $2,100; brass angle valves, service and Corporation Cocks, from Walworth-Lally Co., 2nd and Tehama Sts., San Francisco, $1,135; service connections and distribution mains, etc., from L. Massa, Box 453, Bell. Noted June 10.

Contracts Awarded

Mass., Quincy (Ind. br. Boston)—Dept. Pub. Wks., laying c.i. pipe, Contr. 9, to G. Ferrillo Co., 31 North St., Boston, $14,612; Contr. 10, to W. Shea & Sons, 285 Common St., $12,030. Noted June 17.

R. I., Providence — Water Supply Bd., City Hall, 400 x 600 ft., concrete covered reservoir, in Johnston, to A. Phelps, Knoxville, Ia., $695,090. Noted June 10.

Connecticut—Comn. Water Supply, c/o Hartford Connectict Trust Co., 750 Main St., Hartford, c.i. mains in State Training School, in Mansfield and Storrs, to L. Petrossi, 530 Wethersfield Ave., Hartford, approximately $16,000. Noted June 24.

Conn., Bethel—Improving water supply, to B. J. Dolan, Bethel, $18,115. Engrs. est. $20,000. Noted July 1.

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Clermont, Fillmore, Lincoln Aves., etc., to Grippo Constr. Co., 85 Webster Ave., Long Island City, $6,823. Noted June 24.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in City Island, Edson and Fenton Aves., etc., to C. DeBlasio, 339 7th Ave., Mt. Vernon, $8,749; also in Carpenter and Manor Aves., etc., to Draganetti Constr. Co., 1323 Clinton Ave., $12,987. Noted June 24.

Pa., Phila.—Dept. Pub. Wks., Bureau Water, piping and equipment for Belmont Mechanical Filters, Contr. 802, to Roberts Filter Mfg. Co., Darby, $44,720; 2 steel coal cars, Contr. 819, to Keenan Supply Co., 2849 Germantown Ave., $5,357; 1,000 tons filter sand, Contr. 827, to Cape May Sand Co., 51-2 Washington St., Cape May, N. J., $4,850; repairing Queen Lane Filter, Contr. 828, to Keystone State Piping & Equipment Co., 2849 Germantown Ave., $23,790; 6, 8 and 12 in c.i. mains in various streets, Contr. 831, and pipe lines in various streets to be repaired, Contr. 832, to M. and J. B. McHugh, 892 North Markoe St., $274,650 and $9,859 respectively. Grand total $363,-226.

O., Cleveland—Cuyahoga Co., 23,000 ft. 6 in. c.i. main in Lake Rd., Impvt. 1054, to Kassouff & Co., 3182 West 25th St., $48,-964. Noted July 1.

Ind., Hammond—Bd. Pub. Works, water system in Turner-Meyn Park Div., to Brondfrot Constr. Co., Hammond, $45,156. Engrs. est. $50,000.

Mich., Memphis—Water system, to F. A. Harblow & Co., Warren, $37,600.

Wis., Kenosha—C. M. Osborn, city mgr., 64 tons c.i. water pipe, to Glamorgan Pipe & Fdry. Co., 122 South Michigan Ave., Chicago, Ill., at $48.40 per ton. Noted June 10.

Wis., Milwaukee—Central Bd. Purchases, J. W. Nicholson, ch. buyer, 1,135 tons 30 in. and 418 tons 20 in. c. i. pipe to U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd., Chicago, Ill. $72,835. Noted July 1.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., laying 18,104 ft. 8 and 12 in. c. i. mains in various streets, to Kehrein Bros., 1304 11th St. $15,378.

Tex., Dallas—Water Impvt. Dist. 9, c/o V. W. Greenwade, comr., waterworks improvements, to W. G. Cullum & Co., 703 Central Bank Bldg., Dallas, $92,928.

Tex., Dallas — City, c/o M. G. James, secy., 200 tons 8 in. and 100 tons 6 in. De LaVaud pipe, to U. S. Cast Iron Pipe Co., Magnolia Bldg., at $1.125 and $0.7825 respectively; also 75 fire hydrants, to Southwest Meter Box Co., c/o J. E. Gerrity, 127 North Willomet St., at $72.02 each.

Tex., Houston—City 1 and 2 story, 103 x 123 ft. brick and steel pump house, to C. W. Ennis, 1402 Marshall St., $96,500. Noted June 29.

Sewers

Proposed Work

Mass., Marblehead—Plans sewerage system. $25,000 or more. Barbour & Dixon, Tremont Bldg., Boston, engrs.

N. C., Lenoir—See "Waterworks."

S. C., Dillon—Voted $25,000 bonds, sewerage system.

O., Dayton—G. F. Baker, dir. Pub. Serv., plans selling $500,000 bonds, sewage disposal plant. Metcalf & Eddy, 14 Beacon St., Boston, Mass., engrs.

Mich., Clawson—Making plans vitr. or concrete lateral sewers, etc., in southwest section. $90,000. N. H. Huntley, village engr.

Mich., Detroit—Dept. Pub. Wks., having plans prepared 22,256 ft. vitr. pipe and brick sewers in Lateral No. 4621, 4631, 4620, 4624, 4599, 4635, 4639, 4628. P. A. Fellows, City Hall, engr.

Mich., Detroit—Plans brick or concrete sewers 6,280 ft. Mill Rd. Sewer Sect. 4, 5,250 ft. Mill Rd. Sewer Sect. 5, 2,724 ft. Seven Mile Road Sewer 3,087 ft. Breeze Ave. on Ashland Ave. Sewer, and 4,097 ft. Liddesdale Ave. Sewer Sect. 2; also 36,-097 ft. 12- to 30-in. vitr. and 2 ring brick sewers in Laterals 4159, 4593, 4594, 4599, 4606, 4607, 4612, 4613, 4618, 4625 and 4639. P. A. Fellows, City Hall, engr.

Mich., Wyandotte (Melvindale P. O.)—Making plans approximately 19,000 lin.ft. 8- to 15-in. vitr. or concrete sewers in Oakland-Dix, Schaeffer-Dix and Allen Heights subdivisions. G. Jerome, 1331 Majestic Bldg., Detroit, engr.

Ill., Lebanon—Soon takes bids sanitary sewerage system, disposal plant, etc. $68,-466. Caldwell Eng. Co., 36 North Side Sq., Jacksonville, engrs.

Mo., Deepwater—Election July 27. $50,-000 bonds, sanitary sewers and waterworks. Russell & Axon, 412 McDaniels Bldg., Springfield, engrs.

Mo., Springfield—See "Unclassified."

Tex., Corpus Christi—Election soon $50,-000 bonds extending sewers, etc. J. P. Logan, mayor.

Tex., Harlingen—Making plans extending sewers, etc in various streets. $25,000. A Tamm, Harlingen, engr. Noted July 8.

Tex., Houston—J. C. McVea, engr., soon takes bids sanitary sewers on McKinney Ave. from Milby to St. Benart Sts. for City. $25,000.

Okla., Boley—Making plans 5 mi. sanitary sewerage system. $31,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Calif., Arroyo Grande—Made plans extending 20,000 ft. 6 and 8 in. vitr. sewers, and 6,000 ft. 4 in. vitr. house connections, etc., in various streets. To exceed $30,000. Former contract rescinded. Burch & Beck, Commercial Bank Bldg., San Luis Obispo, engrs. Noted May 27.

Calif., Oakland—Made plans 26,813 lin.ft. 8 and 10 in. sewers, etc., in portions Millsmont and Chimes Terrace Tracts. W. W. Harmon, city engr.

Calif., Ontario — Making preliminary plans sewers in Maitland and Ralston Aves., etc. To exceed $25,000.

Calif., Pasadena—Plans election $210,000 bonds, La Menda Park Outfall Sewer, and enlarging California St. and Garfield Ave. sewers, W. C. Earle, city engr.

Calif., Sacramento—Voted $974,400 bonds, extending sewers in various streets. A. J. Wagner, city engr. Noted June 10.

Calif., Ukiah—Plans election $35,000 bonds, outfall sewerage system.

Ont., Toronto—East York Twp. making plans 2,920 ft. 12- to 24-in. vitr. tile sewer in Cosburn Ave. $39,942. G. R. Jack, 443 Sammon Ave., engr.

B. C., Vancouver—Election July 15, $250,-000 bonds, sewers in various streets. C. Brackenridge, City Hall, engr. Noted Dec. 31.

Bids Desired

R. I., Providence—July 19, at office City Clerk, City Hall, sewerage works in various streets. $25,000. Private plans.

Pa., Jenkintown—July 26, at Borough Hall, constructing storm and sanitary sewers in various streets. A. C. J. Schabacker, secy.; adv. E. N.-R. July 15.

Md., Towson—Aug. 2, by Comrs. Baltimore Co., sewers in Catonsville, Parkville and Pikesville, A. E. Walden, chf. engr.; adv. E.N.-R., July 15.

S. C., Chester—See "Waterworks."

O., Cleveland—July 21, by Bd. Comrs. Cuyahoga Co., 10,000 ft. 8- to 24-in. tile sewer in Parkway Heights Blvd., Impvt. 91; and 6,000 ft. 8- to 24-in. tile sewer in Tuxedo Ave., Impvt. 111. F. Williams, Court House, engr.

O., Cleveland Heights (Warrensville P. O.) — July 16, by City, sewer and water-mains in Glynn and Alpine Rds. To exceed $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Delaware—Aug. 4, by Director Pub. Serv., City Hall, constructing sewage treatment works, incl. pumping station, dosing tanks, etcfl adv. E. N.-R. July 15.

Ill., Broadview—July 19, by Bd. Local Impvts. vitr. pipe sewers, catch basins, manholes, etc. and c.i. water mains, fire hydrants, valves, castings, etc. in various streets. Consoer, Older & Quinlon, 140 South Dearborn St., Chicago, engrs.

Ill., Chicago—July 21, by Bd. Local Impvts., Room 207, City Hall, tile pipe sewers with brick manholes and catch basins, etc., in various streets. J. J. Sloan, pres.

Wyo., Powell—Aug. 10, by Town Council, J. W. Canady, clk., Relief drain and sanitary outlet sewer; and sanitary sewerage system in Sewer Dist. 1. H. F. Bell, Cody, engr.

Tex., Pharr—P. S. Devine, engr., taking bids complete sanitary sewer system. Noted Nov. 12.

Wash., Longview—July 27, by City Council, sewage treating plants and 5 mi. sewers in Impvt. Dist. 16. $108,000. G. Norris, Kelso, engr.

California—July 26, by Santa Ana City Clerk 2,700 lin.ft. 42 in. c.i. pipe in ocean and addition to screening plant, etc., for cities of Santa Ana, Orange, Anaheim, Placentia, Habra, Fullerton, Garden Grove, etc. $350,000 or more. Burns-McDonnell-Smith Eng. Co., Rives-Strong Bldg., Los Angeles, engrs. (Joint works for various cities). Noted Apr. 8.

Calif., Oakland—City Council taking bids concrete and vitr. sewer, etc., along Central Pacific R.R. right-of-way southwest of 12th St. between 14th and 18th Aves. W. W. Harmon, city engr. Noted May 27.

Constr. News page 39

Left—Delivering 96-inch pipe for use in business district of Oklahoma City.

Below—Laying 36-inch pipe, built at yard along the line of trench.

Real Service on Concrete Sewer Pipe

When "INDEPENDENT" supplies the pipe, the sewer contractor gets the kind of co-operation that means profit for him and satisfaction for the taxpayers.

He gets pipe of highest quality, built to specifications by an organization of concrete pipe specialists. And he gets the pipe right when and where he wants it—the precast units are built on the job, or near by and delivered along the trench, ready for him to lay.

He knows that he can lay "INDEPENDENT" Pipe faster, and at lower cost. Strong, tight joints are easier to make, because the "Recessed Joint" is sealed INSIDE the pipe for the lower half, OUTSIDE the pipe for the upper half. This feature is especially helpful in laying pipe under wet, muddy, caving or other difficult trench conditions. No bell holes to dig. Back-filling can follow as fast as each unit is joined —no long open trenches.

He knows, too, that the completed sewer will satisfy the engineer, municipal officials and taxpayers.

Contractors who want better results and larger profits in laying concrete sewers will find our service of real value. Write, wire or phone us for quotations on your prospective sewer work.

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Illinois Concrete Sales Co.
603-4 City Hall Square Bldg.
FRANK NOVOTNY, Mgr.

CLEVELAND, OHIO
H. S. WAMSER,
Electric Building
Cleveland, Ohio

COLUMBUS, OHIO
Ohio Sales Agency
300 South High St.
E. W. HAWKE, Mgr.

OKLAHOMA CITY
Concrete Pipe Co. of Okla.
203 Grain Exchange Bldg.
E. A. BARNES, Mgr.

Independent Concrete Pipe Co., 202 N. West St., Indianapolis, Ind.

INDEPENDENT
Reinforced Concrete Pipe

Sewers (Continued)

Bids Received

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., July 7, grit chamber, emergency sluice gate, etc. at proposed sewage treatment plant, in West and Marginal Sts. from T. A. Reilly Co., 25 West 43rd St., $97,387; also altering and improving sewers in Nassau St., etc., from P. J. Donlon Contg. Co., 84 Bway., Brooklyn, $12,874. Noted July 1.

O., Akron—W. F. Peters, dir. Pub. Serv., June 30, **(e. e. means engrs. est.)**, constructing 15,000 ft. 8- to 48-in. segmental block sewer in Riverside Dr. et al 2, from F. George, 1657 Mahoning Ave., Youngstown, $67,118, e. e. $86,450; 5,975 ft. 8- to 20-in. vitr. clay sewer in West Exchange St. et al, from McCourt Constr. Co., 369 South Main St., $32,169, e. e. $39,800; 3,755 ft. 8- to 30-in. vitr. clay combined sewer in Riverside Dr. et al 1, from E. and W. McShaffrey, 574 Rhodes Ave., segmental block $17,180, and brick $18,260, e. e. $27,300; 3,370 ft. 8- to 42-in. sewer, etc., in Black St. et al, from T. E. McShaffrey Constr. Co., 173 South Forge St., segmental block $26,290, and brick $28,255, e. e. $31,000. Noted June 24.

O., Cincinnati—Comrs. Hamilton Co., June 8, 29,327 ft. 6- to 15-in. vitr. clay sewer, etc., Sanitary Sewer 11, Dist. 3 (Beechwood and Edgemont subdivision), from Hannon-Hughes Constr. Co., 911 Atlas Bank, $92,588. Engrs. est. $108,-205. Noted June 3.

O., Parma (Cleveland P. O.)—Village, sewer and water mains combined, in Redfern Rd., from Sprague & Burkhardt, 11811 Browning Ave., $44,174; Luelda and Velma Aves., from D. Rosai-Marcelletti Co., 13701 Benwood Ave., $9,288 and $10,-728 respectively; and curb connections in Ridge Rd., from Gallagher & Burke Constr. Co., Rockefeller Bldg., $56,127. Noted June 10.

Wis., West Allis—Bd. Pub. Wks., J. Ferebee, supt., July 2, from Wenzel & Henoch Constr. Co., 498 27th St., Milwaukee, 15,000 ft. vitr. sewers in various streets 8 in. at $1.31 per ft.; 10 in., $1.72 and $1.94; and 12 in. $1.61.

Colo., Denver—Sanitary sewerage system, etc. in 6th Ave. Parkway Special Sanitary Sewer Dist. 1, from Gordon Constr. Co., Barclay Blk., $40,960. Noted Apr. 15.

Calif., Alhambra—R. B. Wallace, city clk., June 28, from L. C. Campbell, 1419 South Curtis St., improving Sewer Dist. 7, 2,229 ft. 12-in. vitr. pipe, $1.70 per ft., 2,674 ft. 10 in. $1.52, 76,200 ft. 8 in., $1.185, 1,911 ft. 4 in. house connections, $0.75, etc., total approximately $195,825.

Calif., Los Angeles—Bd. Pub. Wks., June 28, from P. J. Akmadzich, Los Angeles, sanitary sewer in portion Atwater Ave., $100,000, lin. ft. special house connections at $2 per lin. ft. and lin. ft. house connections, $1.25.

Contracts Awarded

N. Y., Rochester—Seneca-Rogers Sewer Comn., Power Bldg., sanitary and storm sewers in Seville Dr., Thorndyke Rd., and Seneca Ave., to Oliver Costich Development Corp., Wilder Bldg., $44,202.

N. Y., St. George — J. A. Lynch, pres. Richmond Bro, Boro Hall, temporary sanitary sewer in Grand Ave. from Victory Blvd. to Rugby Rd., to Hammen & Co., 279 Madison Ave., Perth Amboy, N. J., $18,-172. Noted July 8.

N. J., Trenton—Mercer Co., drainage system, etc. to J. Jingoli, 115 Wayne Ave., Trenton, $36,143. Noted July 1.

Md., Baltimore—Mayor and City Council additions to Sludge Drying Beds 5 and 6, treatment works and Pumping Station 2, to T. Mullan, 3945 Greenmount Ave., $18,631.

O., Akron—W. F. Peters, dir. Pub. Serv., constructing 1,700 ft. Big Cuyahoga River intercepter, sub-grade, 170,000 cu.yd. fill, to T. E. McShaffrey Constr. Co., 173 South Forge St., $104,800. Engrs. est. $80,000. Noted June 17.

O., Cleveland—Comrs. Cuyahoga Co., 8,300 ft. 5- to 54-in. segmental block sewer in Broadview and Brookpark Rds., to George & Ameen Constr. Co., 2165 East 33rd St., $93,349. Noted July 1.

O., Fairview (mail North Olmsted)—Village, sewers in various streets, to Gantose Constr. Co., 4816 Brookpark Rd., Cleveland, $150,000, A. J. Galvin, 16509 Claire Ave., Cleveland, $16,000, Langenhan Constr. Co., Marshall Bldg., Cleveland, $12,000. Grand total $178,000.

Ind., Gary — Constructing Sewer 56, to Witter Constr. Co., Whiting, $86,862.

Ind., Peru—Bd. Park Comrs., drainage and sewerage system in Park Driveway, to C. J. Burke, Peru, $27,393.

Mich., Detroit—To W. Blanck Co., 40 Seven Mile Rd., 4,593 ft. Waltham Ave. Arm, Ashland Ave. Sewer, $200,908, 3,488 ft. Sherwood Savage Arm, Sherwood and Savage Aves., $54,256, and 1,257 ft. Seven Mile Rd, Sect. 5, Ashland Ave. Sewer, $138,629; to Jeynes & Son, 3202 Whitney Ave. Seven Mile Rd., Arm, Sect. 1, Ashland Ave. Sewer in Seven Mile Rd., $69,385; to Central Contg. & Engr. Co., 17567 Wyoming Ave., Cadieux Rd., Sect. 4, $44,602; and 4,836 ft. Sect. 5, same sewer, $75,544. Grand total $583,324. Noted June 10.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., to P. & L. Co., 038 Edgewater Ave., storm and sanitary sewers in Clarke St. $562, Roosevelt Dr. $1,340, and 38th St. $3,518; to Wenzel & Henoch Constr. Co., 498 27th St., Cold Springs Ave. $623, Meinecke Ave. $222,482; to W. T. Werner, 675 Hi-Mount Blvd., 54th St. $660, 57th St. $1,172, and Grand Ave. $7,874; to Mierswa Constr. Co., 582 20th St., 46th St. $14,781; to Szukalski & Matke Co., 1089 American Ave., Morgan Ave. $770; and to Shabart-Rauch Inc., 1003 41st St., 31st St. $1,547 and 1 alley, $1,355. Grand total $256,684.

Neb., Exeter—Village, c/o P. R. Farmer, clk., sewage disposal plant, to R. E. Erdkemp, Exeter $18,622; and sewerage system to Chambers Constr. Co., 1st Natl. Bank Bldg., Lincoln $26,981. Noted June 24.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Sect. B-2 and C, River Des Peres Project, to W. E. Callahan Constr. Co., Ry. Exch. Bldg., $730,923. Noted June 3.

Tex., Cross Plains—Complete sewer system and disposal plant to Municipal Engr. & Constr. Co., 1107 Athletic Club Bldg., on cost plus basis. Archts. est. $40,000.

Tex., Harlingen—For 4 mi. 6- to 12-in. sanitary sewer 2,000 ft. 40 in. storm sewer and 14,000 ft. 12- to 18-in. storm sewer,, in various streets, to Agar & Gentry, San Benito, $47,972. Noted June 17.

Tex., Haskell—Sewerage and disposal plant to D. O'Neil, 1107 Athletic Club Bldg., Dallas, Archts. est. $75,000 cost plus. Noted June 10.

Calif., Long Beach—City Council, storm drains, etc., in Wilmington Blvd., etc., to R. Metcalfe, 1935 North Commonwealth Ave., Los Angeles, $45,675. Noted June 10.

Calif., Los Angeles—For 10,589 ft. 6 in. vitr. clay sewer in Citrus Ave., to J. M. Derenia, 237 West 83rd St., $40,660. Noted July 1.

Calif., Oakland—To M. Murphy, 1321 Milvia St., sewer in portion Wood St., 1,060 ft. 15 in. vitr. sewer with concrete and plank foundation at $7 per ft. 105 ft. 15 in. $8, 1,122 ft. 18 in. $9, 609 ft. 20 in. $9, and 535 ft. 10 in. pipe conduit $4.90.

Calif., Orcutt—Directors Orcutt Sanitary Dist., constructing Imhoff tank, sprinkler filter and sewage collection system, to M. Smith, 206 Syndicate Bldg., Oakland, $25,-014. Noted Dec. 31.

Waste Disposal

Proposed Work

Calif., Long Beach—Plans incinerator, $36,000 or more.

Contracts Awarded

Ind., Gary—Bd. Pub. Wks., M. Maloney, clk., constructing and equipping garbage and refuse incinerator, to Superior Incinerator Co., Wilson Bldg., Dallas, Tex Noted June 10.

Bridges

Proposed Work

Massachusetts—Lynn and Essex Co. Comrs., Salem, plan reconstructing East Saugus Bridge between Lynn and Saugus. $30,000.

Mass., Boston—Plans rebuilding Broadway Bridge over New York, New Haven & Hartford R.R. tracks, South Boston, $70,000; and West Newton St. Bridge over above railroad tracks, Boston proper, $45,-000. J. H. Sullivan, comr.

Pa., Pittsburgh—Making plans reconstructing and relocating North Ave. and Irwin Ave. bridges and approaches over Pennsylvania R.R. tracks. $45,000. City Dept. of Pub. Wks., City County Bldg., engr.

Pa., Pittsburgh—Making plans and soon takes bids constructing new Woods Run Bridge on California Ave. $500,000. Dept. Pub. Wks., City County Bldg., engr. Noted May 27.

North Carolina — See "Streets and Roads".

Fla., Clearwater—Election July 29, $410,-000 bonds, completing bridge from foot of Cleveland St. to Clearwater Key.

Fla., Miami—Making plans 4 steel and rein.-con. bascule type bridges with 48 ft. roadway, etc., one on South East 2nd St., one across 12th to one on North West 17th St., and other on South West 17th St. Each to exceed $200,000. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs. Noted Feb. 25.

La., New Orleans—Ford, Bacon & Davis, engrs., 115 Bway., New York City, soon let contract bridge over portion Lake Pontchartrain, here, for E. Watson, c/o Watson-Williams Syndicate, Common St. $5,000,000.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys bridge over Obion River, Obion Co. To exceed $25,-000. C. N. Bass, highway comr.

O., Canton—Plans bridge over Creek at Ridge Rd. $25,000-$30,000. W. E. Sarver, City Hall, engr.

Minn., Little Falls—Northern Pacific R.R. Co., H. E. Stevens, ch. engr., St. Paul, plans concrete and steel bridge over Mississippi River, here. $75,000.

Minn., Minneapolis — Northern Pacific R.R. Co., H. E. Stevens, ch. engr., St. Paul, made plans replacing steel bridges at 24th Ave. N. E. and 18th Ave. N. E., both over Mississippi River. $300,000 each.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids 3 rein.-con. bridges to carry Sulphur, Sublette and Macklind Aves. across Des Peres River. $50,000. L. R. Bowen, 301 City Hall, engr.

Tex., Anderson—See "Streets and Roads."

Tex., Barstow—See "Streets and Roads."

Wash., Aberdeen—Voted $50,000 bonds, constructing bridge over Wishkah River and reconstructing bridge over Chehalis River.

Calif., Ukiah—Plans election $35,000 bonds, bridge over Orr Creek.

Bids Desired

Connecticut—July 29, by State Hy. Comr., Hartford, rein.-con. bridge over Naugatuck River, at Reynolds Bridge Station, and rein.-con. approaches, etc., at Thomaston, adv. E.N.-R. July 15.

N. J., New Brunswick—July 27, by Bd. Comrs., constructing steel and concrete bridge at Church Lane and Hoeys Lane, both over Lawrence Brook. A. Atkinson, city engr.; adv. E. N.-R. July 15.

Pennsylvania—See "Streets and Roads"

Pa., Phila. — July 16, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., bridges and parts, incl. deck girder spans, steel superstructure, smoke shields, plates, metal work for repairs as per Plans 80319, 80327, 7682, Sheet 1, 8852, Sheet 1, 80326 and 80327, Contr. 16, 1926. A. C. Shand, Broad St. Sta., ch. engr. railroad.

W. Va., Morgantown—Aug. 9, by Magnolia County Court, removing present bridge and constructing concrete abutments and pedestals for South High St. Bridge. A. J. Baritell, co. engr.; adv. E. N.-R. July 15.

O., Akron—Aug. 3, by Director Pub. Serv., City Hall, substructure and approach walls of East Exchange St. grade separation viaduct. E. A. Kemmler, highway engr. adv. E.N.-R. July 15.

Indiana—July 27, by J. D. Williams, dir. State Hy. Comn., Indianapolis, constructing bridges in 16 counties.

Michigan—July 21, by H. C. Fleming, resident engr., Grand Rapids, steel deck girder T. Bridge 540701 and 540702 two 40 ft. spans, and T Bridge 540703 one 50 ft. span in Micosta Co.

Michigan—July 22, by State Hy. Dept. at Comrs. Office Port Huron, Bridge F. B. 740901, three 45 ft. spans, steel deck girder. E. R. Benkert, Port Huron, engr. Noted July 8.

Michigan—July 28, by C. T. Vinton, resident engr., Jackson, one 50 ft. span F. A. Bridge 381703.

Kan., Columbus — July 29, by Clerk Cherokee Co., one 150 ft. concrete arch and two 20 ft. concrete slab bridges, etc., on Federal Aid Project 255-B. H. W. Tyrrell, Columbus, co. engr. Noted Dec. 25.

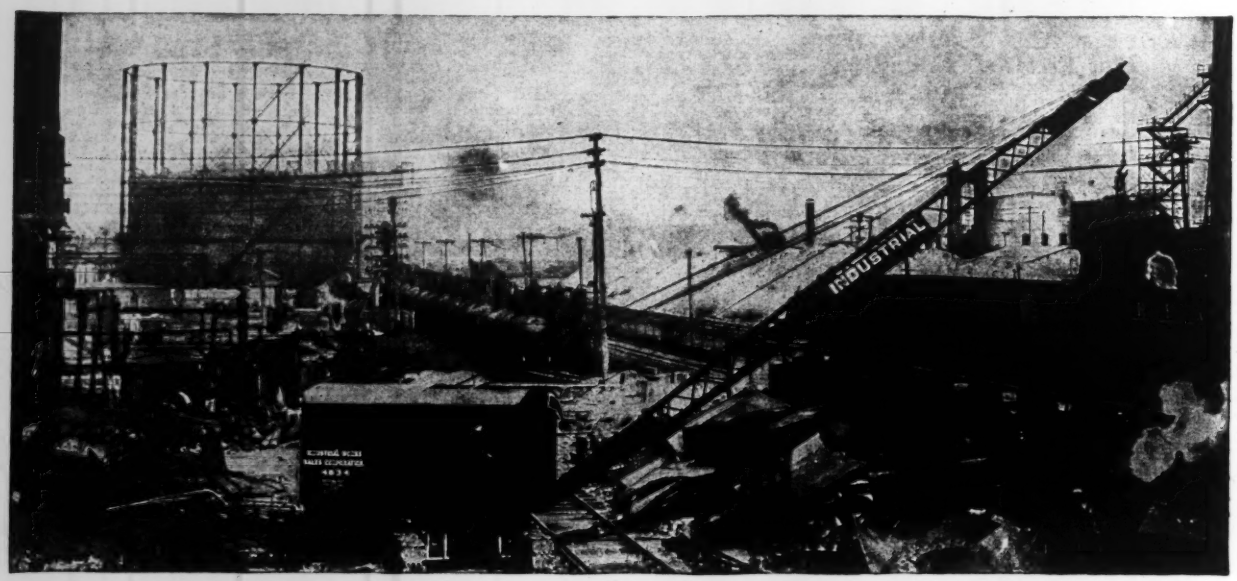
Kan., Lyndon—July 27, by Clerk Osage Co., two 25 ft. I-beam, one 130 ft. and one 50 ft. steel truss span bridges, on Federal Aid Project 264-E. F. C. Healea, Lyndon, co. engr. Noted Dec. 3.

Ark., Batesville—July 30, by State Hy. Dept., Little Rock, steel and concrete bridge over White Rock, on Federal Aid Project 240-A, Independence Co., near here. H. R. Wilson, chn.; adv. E. N.-R. July 15.

Calif., Del Mar—July 26, by State Hy. Comn., Sacramento, one 47 ft., one 45 ft. and six 28 ft. span rein.-con. girder bridge over Atchison, Topeka & Santa Fe Ry. tracks, here, San Diego Co. R. M. Morton, Forum Bldg., Sacramento, engr.

Calif., Livermore—July 26, by Supervs. Alameda Co. (Oakland), rein.-con. girder bridge on Arroyo Rd., near here. $52,000. G. A. Posey, Oakland, co. surv. Noted July 8.

Constr. News page 40



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Steam Pile Hammers, Clamshell Buckets

INDUSTRIAL WORKS · · BAY CITY · MICHIGAN

Bridges (Continued)

Denmark, Copenhagen—Dec. 1 by Danish State Railways, Ch. Dept. of Ways and Works, double-track railway bridge, etc. across Lillebelt; adv. E. N.-R. July 15.

Bids Received

Mass., Dedham—Dept. Pub. Wks., Boston, 800 ft. concrete bridge and approaches on section highway, here from F. S. McCarthy, 42 Fairmount St., Newton, $20,843. Noted July 1.

New Jersey—State Hy. Dept., Trenton, reconstructing 5 bridges on Route 7, Sects. 6 and 7, in Middlesex and Monmouth Counties, from Jemison, Mealy & Felive, Trenton Trust Bldg., Trenton, $36,928. Noted June 24.

N. J., Jersey City—Bd. Freeholders Hudson Co., Court House, June 24, 64 ft. steel girder bridge connecting Nelson Ave. here with Grand Ave., North Bergen, from W. Culligan, 47 Ave. B, Bayonne, $46,000. Noted June 17.

North Carolina—State Hy. Comn., Raleigh, June 29, rein.-con. bridges and culverts on Project 993, Transylvania Co., from Belote Constr. Co., Asheville, $65,978, on Project 834, Henderson Co., from D. S. Blount, Charlotte, $31,130, on Project 730-B, Davie Co., from Kesler Constr. Co., Winston-Salem, $144,222, on Project 6640, Richmond Co., from T. A. Loving & Co., Goldsboro, $35,594, on Project 584, Randolph Co., from J. S. Bowers, Whiteville, $69,187, on Project 109, Bertie Co., and Project 116, Chowan Co., from Roanoke Iron & Bridge Wks., Roanoke, Va., $53,917 and $36,439 respectively, on Project 279, Sampson Co., from T. J. Newell, Wilmington, $35,792, on Project 542, Guilford Co., from F. D. Lewis & Son, Greensboro, $40,415, and on Project 480, Wake Co., from J. F. Kitchen, St. Paul, $32,783. Noted June 24.

O., Cincinnati — Comrs. Hamilton Co., June 25, 3 span 135 ft. concrete slab bridge, Willey Rd., from Hanlon & Smith, Cleves, $29,917. Engrs. est. $31,762. Noted June 17.

Wis., Racine—Dept. Pub. Wks., H. A. Nelson, comr., constructing 148 ft. double leaf underneath counter-weight type strauss trunnion bascule bridge, etc. over Root River at Main St., from Milwaukee Bridge Co., 1400 34th St., Milwaukee, $296,980. Noted June 10.

Tex., Mt. Pleasant — See "Streets and Roads."

Contracts Awarded

New Hampshire — See "Streets and Roads."

New Jersey and Pennsylvania — Joint Comn. for Illumination of Toll Bridges over Delaware River, rebuilding abutments on New Jersey end of Delaware River bridge between Stockton, N. J., and Center Bridge, Pa., to J. McCormick, Easton, Pa., $23,500.

New Jersey—State Hy. Comn., Trenton, concrete bridge across Luppatcong Creek, on State Route 4, Sect. 34, on Keyport Cut-off, Monmouth Co., to A. J. Moore, 45 Clinton Ave., Newark, $31,360. Noted July 8.

Maryand—State Roads Comn., Baltimore, 80 ft. rein.-con. arch span bridge over Patuxent River, Contr. P-63, Prince George Co. and 60 ft. rein.-con. arch span bridge over Ballenger Creek, Contr. F-84, Frederick Co., to Development & Constr. Co., Amer. Bldg., Baltimore, $24,263 and $6,475 respectively. Noted June 24.

Michigan—R. A. Beers, res. engr. Kalamazoo, Bridge 030,801 70 ft. span steel deck girder, to H. Eriksen, Manistique, $22,015 for State Hy. Dept. Noted June 10.

Michigan—H. C. Fleming, res. engr. Grand Rapids, F. A. Bridge 7,013,001, 26, 31, 48, and 33 ft. spans, to W. Marshall & Son, Grand Rapids, $33,758 for State Hy. Dept. Noted June 10.

Mich., Ludington—Multiple span concrete bridge over P. M. Bayou, on Washington Ave., to Peninsular Constr. Co., Grand Rapids, $37,400. Noted June 10.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield two concrete arch bridges, each three 70 ft. spans, on Route 13, Sect. 13-D, Kendall Co., to Chernus Constr. Co., Minneapolis, Minn., $76,849, one 30 ft. span concrete slab bridge, one 100 ft. and one 60 ft. span concrete substructure on Route 13, Sect. 28-B, St. Clair Co., to Hoeffken Bros. Belleville, $19,644; one 100 ft. and one 60 ft. span steel superstructure on Route 13, Sect. 28-C, St. Clair Co., to Vincennes Bridge Co., Vincennes, Ind., $16,440. Grand total $112,933. Noted June 24.

Ill., Chicago—See "Strets and Roads."

Neb., La Platt—Missouri Pacific R.R. Co., Ry. Exch. Bldg., St. Louis, Mo., E. A. Hadley, ch. engr., constructing 2,500 ft., rein.-con. and steel bridge on concrete in rock foundation, over Platte River, to Woods Bros. Constr. Co., Lincoln, $250,000.

Wyoming—See "Streets and Roads."

Idaho—See "Streets and Roads."

Nev., Reno—City Council, 160 ft. rein.-con. bridge over Truckee River, 60 ft. at Center St., to J. S. Jensen, 126 Locust St. $57,035. Noted June 17.

Arkansas—State Hy. Dept., Little Rock, 1,294 ft. bridges, incl. 192,213 ft. treated timber, 7,364 ft. treated piling, etc., on Corning-Piggott Rd., Federal Aid Project 358-A, Clay Co., to J. W. Covington, Benton, $26,864; bridge over Point Remove Creek, near Morrillton, Federal Aid Project 141-B, Morrillton Co., 53,104 lb. reinforcing and 115,950 lb. structural steel, etc., to Independent Bridge Co., Metropolitan Life Bldg., Minneapolis, Minn., $26,160; bridge over Ouachita River near Mt. Ida, Federal Aid Project 196-A, Montgomery Co., and 3,313 cu.yd. excav., 19,200 ft. untreated and 17,230 ft. treated timber, 105,000 lb. reinforcing, etc., to Luten Bridge Co., 1212 Dennison St., Little Rock, $35,170; bridge over Caney River at Glenwood, Pike Co., 1,203 cu.yd. excav., 38,100 lb. reinforcing, etc., to Merritt & Merritt, Hot Springs, $9,783. Grand total $97,977.

Tex., Pittsburg—See "Streets and Roads."

California—State Hy. Comn., Sacramento, three 30 ft. span rein.-con. girder bridge over San Jose Creek, Santa Barbara Co., to Mattock & Feasey, 251 Karny St., San Francisco, $10,332, engrs. est. $11,128; also approximately 30 rein.-con. pipe culverts between Point Magu and Little Sycamore Creek, Ventura Co., to C. Thoren, 646½ Hawthorne St., Los Angeles, $11,503, engrs. est. $12,084. Noted June 10.

Que., Verdun—Montreal Aqueduct Comn., Joseph St., 60 x 200 ft. rein.-con. bridge, on Woodland Ave., to Kennedy Constr. Co., 137 McGill St., Montreal, $44,608. Engrs. est. $40,000.

Dams

Proposed Work

N. C., Brevard — Toxaway Co., Inc., Asheville, R. L. Ellis, pres., Asheville, plans recreating Lake Toxaway, 20 mi. from here, by rebuilding concrete dam which washed out in 1916 flood, $150,000; also creating new dam across Indian Creek.

Missouri—See "Unclassified."

Wash., Aberdeen—See "Buildings Industrial."

Contracts Awarded

Wis., Marinette — Holland, Ackerman & Holland, engrs., 53 West Jackson Blvd., Chicago, Ill., 2 hydro-electric dams, on Menomonee River, one at White Rapids and other Chalk Hill, near here, to Siems, Helmers & Schaffner, 514 Guardian Life Bldg., St. Paul, Minn., for Northern Paper Mills, Day St., Green Bay. Noted June 17.

Railways

Proposed Work

Minnesota—Minnesota Western R.R. Co., Minneapolis, E. D. Luce, vice pres. and genl. mgr., plans constructing approximately 45 mi. extension between Lake Lillian and Montevido.

California—Central Pacific Railway Co., and Southern Pacific Co., plans extending tracks 4.68 mi. from Rupert, Yuba Co.

Contracts Awarded

Kansas and Texas—Chicago, Rock Island & Pacific R.R. Co., La Salle Station, Chicago, Ill., C. A. Morse, ch. engr., 145 mi. railroad from Liberal, Kan., to Amarillo, Tex., to W. H. Dennison, Cushman, Ark. Noted Oct. 22, 1925.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Mass., Boston—W. F. Schrafft & Sons Corp., 106 Washington St. N., plans bulkhead and fill solid on property in Mystic River, Charlestown. $25,000. Private plans.

Mass., Gloucester—W. H. Smith plans sea wall and filling in Gloucester Harbor. $25,000. Private plans.

N. C., Morehead—Morehead Island, Inc., W. P. Anderson, pres., Wilson, plans constructing sea wall around 50 acre island, deepening channel raising elevation of island by filling to level sea wall, streets, sewers, etc.

Ark., Hutman—St. Francis Levee Bd., J. R. West, secy. and treas., Jonesboro, and Mississippi River Comn., International Life Bldg., St. Louis, Mo., making preliminary plans revetment work, near here. H. N. Pharr, Bridge Junction, engr.

Tex., Galveston—Voted $250,000 bonds, improving drainage, etc. C. A. Holt, Jr., city engr. Noted June 17.

Okla., Grandfield—Deep Red D. D. 1, making plans aproximately 8 mi. drainage ditch near here. $100,000. D. E. Powell, Frederick, engrs.

B. C., New Westminister — Dept. Pub. Wks., Ottawa, Ont., soon takes bids constructing levees and dredging Fraser River, here. $50,000.

Bids Desired

Fla., Vero Beach—Aug. 10, by Carter & Damerow, engrs. 250,000 cu.yd. marsh fill in Unit 1, Indian River Co. Mosquito Control Dist. Adv. E. N.-R. July 15.

California—A. O. Stewart, 58 Sutter St., San Francisco, taking bids filling 700,000 cu.yd. Vallejo-Sears Point Toll Rd., Solano Co. T. D. Kilkenny, City Hall, Vallejo, engr.

Bids Received

Mass., Scituate—Bd. Selectmen, dredging channel, building bulkhead, filling and installing drains, etc., from H. F. Cole, Scituate, $62,000. Noted June 24.

La., Shreveport—Caddo Levee Dist., W. A. Kerley, secy., 2,000 ft. bank protection on Red River, 32 mi. below here, from Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $35,700. Noted June 17.

Contracts Awarded

Ind., South Bend — St. Joseph Co., constructing William Stock Ditch, to Walb Constr. Co., La Grange, $33,276.

California—Great Western Power Co. of California, 530 Bush St., San Francisco, 600,000 cu.yd. fill (across Lake Almanor), Plumas Co., to J. Phillips, 637 Santa Ray Ave., Oakland, approximately $150,000.

Streets and Roads

Proposed Work

Mass., Boston—Plans widening Malvern St. $150,000. T. J. Hurley, chn. Bd. Street Comrs.

Mass., North Adams—Rejected bids June 23, sheet asphalt paving River St. $25,000. Will probably readvertise. Noted June 10.

Pa., Pittsburgh—Plans paving and curbing Joshua St. between Lincoln Ave. and Somerset St. $31,000. City Dept. Pub. Wks., City County Bldg., engrs.

Pa., Pittsburgh—Soon takes bids improving and widening Grant St. between 7th Ave. and Water St. $120,000. City Dept. of Public Wks., city County Bldg., engr.

North Carolina—Plans grading and oiling 13.7 mi. Project 718, Caldwell Co., $34,000; clearing, grading, bridging, etc. 12 mi. Project 9710, Madison Co., $60,000, and 16 mi. Project 336, Cumberland Co., $80,000; constructing 20 mi. road from Erwin through Coats to State Route 21, Harnett Co., $100,000. L. R. Ames, Raleigh, engr.

N. C., Lenoir—Plans improving various streets. $38,000 bonds voted.

S. C., Dillon—Plans paving various streets. $75,000.

Fla., Sarasota—Election July 20, $175,000 bonds, improving various streets.

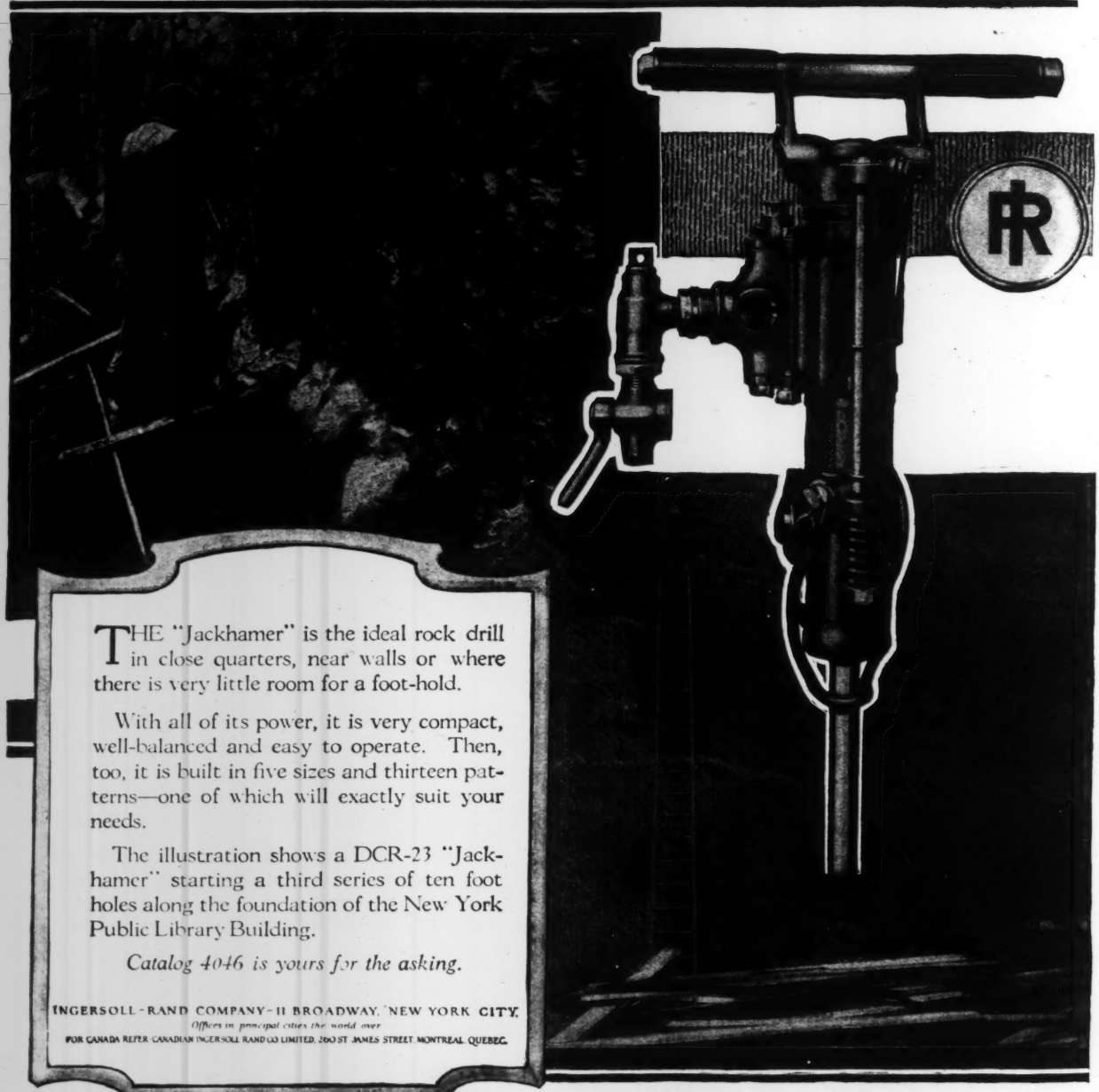
Tenn., Nashville—Davidson Co. Highway Comn. plans expending $120,000 repairing, reconstructing and maintaining various roads.

Kentucky—State Hy. Dept., Frankfort, **(F.A.P. means Federal Aid Project and S.A.P. means State Aid Project)**, rejected bids June 28, surfacing 5.809 mi. Williamsburg-Jellico Rd., S. A. P. 35-C, Whitney Co., and 1.647 mi. Munfordsville-Bowling Green Rd., F.A.P. 152-A and B, Barren and Hart Counties; gravel surfacing 6.046 mi. Fulton-Hickman Rd., F.A.P. 130-B and C, Fulton Co.; grading 6.55 mi. Hazard-Whitesburg Rd., F.A.P. 128-F, Knott Co.; and holding in abeyance surfacing 9.564 mi. Smithland-Marion Rd., F.A.P. 92, Livingston Co. E. N. Todd, highway engr. Noted May 13.

O., Barnesville—J. H. Price, city clk. made plans grading, curbing and asphalt

Constr. News page 11

DIFFICULT DRILLING PROBLEMS DEMAND A "Jackhamer" Drill



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Streets and Roads (Continued)

paving, etc. approximately 950 ft. Main St. $26,500. Address City Engineer.

O., Canton—Bd. Control soon takes bids constructing 3,400 ft. Serpentine Rd., 36 ft. $100,000. W. E. Sarver, City Hall, engr.

O., Marietta—L. E. McVay, city clk., making plans grading, curbing, brick or asphalt paving, etc. Highland, Frederick, Grant and Sheridan Sts. $43,000.

Ind., Greencastle—Plans paving Locust St., cement $42,545, asphalt $45,620 and brick $62,817.

Ind., Plymouth—Marshall Co. plans paving Kassabaum and Tyler Rds. $25,437.

Michigan—State Hy. Dept., R. W. Roberts, resident engr., Saginaw, takes bids about July 22, grading 10 mi. F. A. 240 Sec. A. Genesee Co.

Michigan—State Hy. Dept. at comrs. office, Plymouth, takes bids about July 27, grading 6 mi. A. D. 1120, Sect. B, Macomb Co. W. W. Lavers, Plymouth, engr.

Michigan—State Hy. Dept., W. W. Layer, engr. Wayne Co. road office, Detroit, takes bids about July 23, concrete paving 6,023 mi. F. A. 130 Sec. A. 20 ft. Wayne Co.

Mich., Detroit—Making plans, berea or medina curbing, 3½ in. sheet asphalt on 8 in. concrete paving 97,415 sq.yd. Glenfield and Manor Sts., Parkinson, St. Antoine, Kirkwood, Bryden, Carrie, Coplin, Philip, Irvington, and Cadiux Aves. $391,525. P. A. Fellows, City Hall, engr.

Mich., Detroit — Making plans, berea, medina or concrete curbing, and 3½ in. sheet asphalt on 8 in. concrete paving 3,300 sq.yd. St. Marys Ave. from Schoolcraft to Kendall Sts., $13,430, and 4,000 sq.yd. St. Marys Ave. from Kendall to Grand River Aves. $15,960, also 58,950 sq.yd. Six Mile Rd., Dailey, Hancock, Greeley, Sorento and Hershey Aves., $237,140. P. A. Fellows, City Hall, engr.

Mich., Fordson—Made plans grading, concrete curbing, sewers, and one course 8 in. concrete paving 50,303 sq.yd. in Special Assessment Dists. 136, 138, 139, and 140. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Mich., Trenton—Made plans concrete curbing, sewers, one course 8 in. concrete paving 26,500 sq.yd. Riverside Dr., Truax, and Walnut Sts. $100,000.

Mich., Wyandotte—Making plans concrete curbing, sewers, and one course 8 in. concrete paving Federal Square, Spruce, 3rd, 4th and Forest Sts. $60,830. F. L. Weaver, city engr. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, consult. engrs.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rejected bids June 9, widening and concrete paving Route 19, Sect. 86-W-1, Cook Co. F. T. Sheetsm, highway, engr. Noted June 24.

Wis., South Milwaukee—H. Daehling, city clk., soon takes bids paving 1 mi. Hawthorne Ave. To exceed $25,000. H. C. Webster, 216 West Water St., Milwaukee, engr.

Wis., Waupaca—Waupaca Co. voted bond issue graveling 69.2 mi. and concrete paving 43.15 mi. Trunk Highways 18, 95, 26, 76, 54, 22 and 49. J. Huffcut, highway comr.

Mo., Cape Girardeau—City Clerk takes bids about July 15, grading and 6 in. concrete paving, etc. 9,275 sq.yd. Louisiana Ave. and Themis St. $28,095. E. S. Sailor, City Hall, engr.

Mo., Gower—Voted $25,000 bonds, paving various streets.

Mo., St. Charles — Making preliminary plans grading, asphaltic concrete paving, etc., 5th St. $46,300. H. D. Smelzer, City Hall, engr.

Mo., Springfield—See "Unclassified."

Arkansas—State Hy. Dept., Little Rock, rejected bids June 29, improving 12.915 mi. Strong-Huttig Rd., Union Co., 14.25 acres clearing, 23.25 acres grubbing, 74,477 cu.yd. excav., 23,511 cu.yd. gravel, 1,840 ft. untreated and 29,215 ft. treated timber, 36,507 lb. reinforcing, etc. R. C. Limerick, highway engr.

Tex., Alamo—Election soon $35,000 bonds, hard-surfacing 20 blocks various streets. Address Mayor.

Tex., Anderson—Grimes Co. making plans grading and bridging 7½ mi. Highway 90, Road Dist. 6. $70,500. A. A. Seward, Jr., Anderson, engr.

Tex., Barstow—Ward Co. soon take bids grading, bridging, caliche surfacing, etc., 5.8 mi. Highway 1, 18 ft. $145,800. J. O. Booker, Lufkin, engr.

Tex., Batesville—Zavalla Co. making plans grading, bridging and gravel surfacing, 17 mi. Highway 55, $390,000. G. M. Jowers, Batesville, engr.

Tex., Clarksville — Election July 27, $50,000 bonds permanent paving 22 blocks various streets. Address Mayor.

Tex., Galveston—Voted $200,000 bonds, permanent paving various streets. C. A. Holt, Jr., city engr. Noted June 10.

Tex., Harlingen—Making plans hard paving various streets. $125,000. A. Tamm, Harlingen, engr. Noted July 8.

Okla., Blackwell—Making plans vertical fibre brick paving, etc. 7,800 sq.yd. South 6th St. $37,200. W. Retzhaupt, engr.

Okla., Oklahoma City—Making plans sheet asphalt paving, etc. 28,310 sq.yd. streets in Edgemere addition $127,000; and concrete widening 17,200 sq.yd. North Harvey St., $68,000. B. M. Hart, City Hall, engr.

Colo., Denver — Plans curbing, grading and surfacing 12 blocks East Side Surfacing Dist. 3. $28,800. A. K. Vickery, City Hall, engr.

California—State Hy. Comn., Sacramento, made plans grading and bituminous macadam or concrete and bituminous macadam surfacing 1.3 mi. road near Yountville at Veterans Home, Napa Co. J. H. Skeggs, State Bldg., San Francisco, div. engr.

Calif., Alhambra—Made plans grading and concrete paving, etc. 544,077 sq.ft. portion Hellman Ave. H. E. Blake, city engr.

Calif., Alturas—L. S. Smith, clk. Modoc Co., rejected bids June 21, improving Sunrise Rd., point 8 mi. north of Alturas. Noted June 10.

Calif., Los Angeles—Made plans improving Bway. between Manchester Ave. and 93rd St., including 11,990 cu.yd. cut, 223,731 sq.ft. 2 in. coarse sheet asphalt on 6 in. concrete paving, etc. J. C. Shaw, City Hall, engr.

Calif. Napa—Napa Co., made plans grading and concrete paving, 3,260 cu.yd. Coombsville Rd. from Napa city limits to Frisby Ranch. J. A. Daly, co. clk.

Calif., Oakland—Made plans curbing, concrete walks, and National paving, etc. 121,776 sq.ft. 94th Ave. between 14th St. and Foothill Blvd. W. W. Harmon, city engr.

Calif., Sacramento—Defeated $371,500 bonds, paving various streets. Noted June 3.

Calif., Sacramento—Making plans guttering, paving, etc., St. Francis Oaks section. To exceed $30,000. A. J. Wagner, city engr.

Calif., San Diego—Made plans improving Boundary Redwood, Little Flower, Quince Sts., etc., 238,173 sq.ft. 2½ in. asphaltic concrete on 1½ in. asphaltic concrete surfacing, 16,662 cu.yd. excav., 11,580 cu.yd. embankment, 52,389 sq.ft. concrete sidewalk, 12,552 lin.ft. concrete curbing, etc. F. A. Rhodes, city engr.

Calif., San Diego—Plans improving El Cajon Ave., 114,218 sq.ft. 1½ in. asphaltic concrete on 5 in. concrete paving, 521 sq.ft. concrete sidewalk, 154 lin.ft. concrete curbing, 2,190 sq.ft. gutter surfacing, etc. F. A. Rhodes, city engr.

Calif., San Francisco—Making plans paving, etc. Geneva Ave. between county line and Prague St. $30,000. M. M. O'Shaughnessy, city engr.

Calif., San Gabriel—Plans widening Las Tunas St. between Alhambra city limits and San Gabriel Blvd. To exceed $125,000.

Calif., San Marino—Plans grading, curbing and oil macadam paving, etc. Rose Ave. between east city limits and Clarence Ave. To exceed $25,000.

Calif., Santa Ana—Plans widening, paving and ornamental street lighting system on South Main St. between city limits and 1st St. To exceed $125,000.

Calif., Sonora—Making plans curbing, guttering, paving, etc. Lyon, Wolden Sts., etc. To exceed $50,000. C. W. Terry, city engr.

Calif., Ventura—Ventura Co. making plans constructing approximately 3 mi. road through Santa Monica Mts. from Calabasas to Sesquis Canyon. To exceed $25,000. C. W. Petit, Ventura, co. surv.

Ont., Toronto—York Twp. soon takes bids curbing, guttering, 1,050 ft. asphalt or asphaltic concrete paving Silverthorn Ave., from city limits to Kersdale Ave. $25,095. F. B. Goedick, 40 Jarvis St.

Bids Desired

New Hampshire—July 23, by State Hy. Dept., bituminous macadam on 8 in. gravel paving Contoocook Valley, Cheshire Co., $40,000, 3 in. surface course on gravel paving 1.091 mi. highway, Contoocook Valley, Hillsboro Co., $28,000; bridge and approaches, etc., $40,000; and 52 ft. concrete slab bridge with one 32 ft. span, over Hampton River, both foregoing in Rockingham Co.

Massachusetts—July 20, by State Dept. Pub. Wks., bituminous macadam paving 14.352 ft., highway in Leominster and Sterling, 2.750 ft. highway in Westwood, and graveling with bituminous surfacing 4,600 ft. highway in Blackstone, all foregoing 18 ft. wide. W. F. Williams, Dept. Pub. Wks., comn

Mass., Boston—July 20, by Dept. Pub. Wks., recut granite block, sheet asphalt or bitulithic paving Adams St. $30,000. J. H. Sullivan, Dept. Pub. Wks., comr.

Mass., Boston—July 19, by Dept. Pub. Wks., sheet asphalt or bitulithic paving, Morton St. $25,000. J. H. Sullivan, Dept. Pub. Wks., comr.

Mass., Medford (br. Boston)—July 22, by Met. Dist. Comn., 1 Ashburton Pl., Boston, asphalt surfacing Middlesex Fells Parkway. To exceed $25,000. J. R. Rablin, 1 Ashburton Pl., Boston, engr.

Connecticut—July 20, by State Hy. Comr., Hartford, rein.-con. paving in Thompson, Windsor, Windsor Locks, Stamford, Ridgefield, and Branfield; waterbound macadam paving Burlington, Woodstock, Fairfield, Eastford; bituminous macadam paving in New Canaan; also bridges in Torrington, East Hartford, Bloomfield, Brooklyn, Plainfield, Chaplin, etc. adv. E.N.-R. July 15.

N. Y., Brooklyn—July 21 by J. A. Guider, pres. Brooklyn Boro, Boro Hall, grading and granite paving Centre and Wallabout Sts., grading and permanent asphalt on concrete paving East 4th, East 26th, Nevins Sts., etc.; and grading etc. East 4th, Ryder, 53rd Sts., etc.

N. Y., New York—July 23, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading, curbing, sidewalks, and bituminous on concrete paving Andrews Ave. from West Tremont to Burnside Aves.

N. J., Bound Brook—July 30, by Mayor and Boro Council, curbing, sidewalks, paving, etc. East and Main Sts. J. T. Hopkins, boro engr.; adv. E. N.-R. July 15.

N. J., Toms River—July 20, by Bd. Freeholders Ocean Co. improving Lakewood-New Egypt Rd. Sects. 2, 3 and 4, J. M. Abbott, Toms River, engr.; adv. E. N.-R. July 15.

Pennsylvania—July 27, by State Hy. Dept., Harrisburg, rein.-con. paving and 2 rein.-con. and steel viaducts on approximately 30 mi. 9 projects, in Beaver, Berks, Crawford, Erie, Montgomery, Northampton, Northumberland, Venango, Westmoreland, Warren and Clearfield counties. W. H. Connell, engineering executive and deputy secy., engr.; adv. E. N.-R. July 15.

Pa., Norristown—Aug. 3, by W. C. Irwin, controller Montgomery Co, Court House, rein.-con. paving 25,575 ft. Springhouse-Sumneytown Pike, 20, 34 and 40 ft.; Adv. E. N.-R. July 15.

Pa., Pittsburgh—Taking bids completing Mt. Washington Highway. $210,000. City Dept. Pub. Wks., City County Bldg., engr.

Maryland—July 20, by State Roads Comn., Baltimore, J. N. Mackall, chn. concrete paving 0.4 mi. Cont. M-72, Montgomery Co. and sheet asphalt 0.48 mi. Cont. BC-62 in Baltimore. Adv. E. N.-R. July 15.

Md., Baltimore—July 21, by Bd. Awards, asphalt concrete paving 27,000 sq.yd. Contr. No. 354, and sheet asphalt paving 9,920 sq.yd. Contr. No. 353. Purcell, City Hall, engr.

W. Va., Fairmont—July 26, by L. N. Satterfield, clk. Marion Co., grading, curbing and asphalt, brick on slag, stone block, amiesite on Telford or concrete surfacing, etc., 3.22 mi. Grafton Rd.

W. Va., Morgantown—Aug. 9, by State Road Comn., E. B. Carskadon, secy. and Magnolia Co. Court, J. M. Gregg, clk., grading 3.7 mi. Morgantown-Mt. Morris Rd. Project 3367; adv. E. N.-R. July 15.

N. C., Rocky Mount — July 24, by P. C. Shore, chn. Road Comn., grading and hard paving, etc., 12 mi. Rocky Mount-Pinetops Rd.

Florida—July 21, by State Rd. Dept., Tallahassee, clearing, grubbing, grading, etc. 15 mi. road in Lake Co., and 7.895 mi., in Franklin Co. J. L. Cresap, Tallahassee, engr.

Fla., Jacksonville — July 28, by City Comrs., M. W. Bishop secy., 16,654 sq.yd. standard sheet asphalt, 2,524 sq.yd. asphaltic concrete, and 22,800 sq.yd. concrete on concrete paving, also 32,268 sq.yd. vitr. brick on lime rock paving, Park, Lackawanna, Forest, Union, Dora and May Sts., etc. $50,000.

Fla., Marianna—July 20, by Marianna Landscape & Eng. Co., city engr., paving 43,900 sq.yd., various streets.

Alabama—July 28, by State Hy. Comn., Montgomery, (**F. A. P. means Federal Aid Project and S. A. P. means State Aid Project**), improving roads in town of Russellville, S. A. P. 159, Franklin Co., 8,678 acres clearing and grubbing, 1,865 sta.yd. overhaul, 12,132 ft. curbing, 31,690 sq.yd. paving, etc.; 3.92 mi. Sheffield-Wilson Dam Rd., S. A. P. 158, Colbert Co., 3.656 acres clearing and grubbing, 28,187 cu.yd. excav., etc.; 10.508 mi. Clayton-Union Springs Rd., F. A. P. 168, Barbour Co., 25.8 acres clearing and grubbing, 120,000 cu.yd. earth and 5,000 cu.yd. rock excav., 58,000 cu.yd.

Constr. News page 42

Streets and Roads (Continued)

overhaul, etc.; 10 mi. Camden-Rosebud Rd., S. A. P. 87, Wilson Co., 30.68 acres clearing and grubbing, 24,241 cu.yd. excav., etc.; 18 mi. Monroeville-Belleville Rd., S. A. P. 97, Monroe and Conecuh Counties, 55.81 acres clearing and grubbing, 141,018 cu.yd. earth and 200 cu.yd. rock excav., 28,750 cu.yd. overhaul, etc. W. A. McCalla, highway comr.

O., Akron—July 26, by W. F. Peters, dir. Pub. Serv., City Hall, paving 19,500 sq.yd., 6 streets; also grading, walks, etc. various streets. E. A. Kemmler, hy. engr.

O., Cleveland—July 21, by City, grading, curbing and paving, etc. Dorchester Blvd., Hallock Court, Waterloo Rd., Chester, Flamingo, Hamilton, Kunz Aves., East 149th, East 173rd, West 37th and West 117th Sts. R. Hoffman, City Hall, engr.

O., Cleveland Heights (Warrensville P. O.)—July 16, by City, grading, curbing, brick, asphalt or sheet asphalt paving, etc. 17 streets, $300,000; also resurfacing Euclid Heights Blvld., South Noble, Overlook, and Greyton Rds., to exceed $50,000. F. A. Pease, Engr. Co., Marshall Bldg., Cleveland, engrs.

O., Columbus—July 20, by W. H. Duffy, dir. Pub. Serv., grading, curbing, paving, etc. 2,250 ft. Campbell Ave., 24 ft., brick $37,169, asphalt $33,011; 949 ft. Washington Ave., 33 ft., brick $16,093, asphalt $14,038; 4,384 ft. Larcomb, Woodbury and Loretta Aves., 26 ft., brick $104,826, asphalt $84,770.

O., Maple Heights (Bedford P. O.)—July 19, by City, improving Thomas and Joseph St., combined curbing 7,000 lin.ft. 4 in. drain tile guttering, 3,000 cu.yd. earth excav., 78,000 sq.ft. bituminous concrete paving, etc. C. W. Courtney, 1770 East 11th St., engr.

Ind., Evansville—July 29, by Vanderburgh Co., concrete paving Barker Ave. Rd. $34,399. S. Bell, Evansville, aud.

Ind., Goshen—July 28, by Comrs. Elkhart Co., Courthouse, gravel and paving, etc. 5,500 ft., Twp. Unit Rd. M-2, $5,035, 12,148 ft., Twp. Unit Rd. 0-3, $14,520, and 14,400 ft., Twp. Unit Rd. P-3, $16,730. C. A. Croop, co. aud.

Ind., Wabash—Aug. 3, by Comrs. Wabash Co., construction and completion, Frank Storey, et al road, $15,394, John P. Wolf, et al. road, $13,675, and Leo Gurtner et al. road, $17,393, all foregoing in Noble Twp. W. Beauchamp, co. aud.

Ind., Winamac—July 27, by Bd. Trustees, improving Monticello St. $31,000. C. H. Barnett, town clk.

Ill., Riverside—Aug. 2, by Village, concrete paving 3,850 sq. yd. Pine and West Aves. $15,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs. Noted June 3.

Wisconsin—July 20, by State Hy. Comn., at Office 6, 213 South Barstow St., Eau Claire, grading and concrete paving, etc. Federal Aid Projects 370-C and D. J. T. Donaghey, Madison, ch. engr.

Wisconsin—July 21, by Hy. Comrs. State, Buffalo and Monroe Counties, at Court House, La Crosse, graveling 12.88 mi. 2 projects, Jackson Co., crushed rock or gravel surfacing 3.12 mi. 1 project, Buffalo Co.; also graveling 7 mi. 1 project and grading, etc. 1.9 mi. 1 project both in Monroe Co. J. T. Donaghey, Madison, state highway comr.

Wis., Racine—July 22, by Wisconsin Hy. Com., H. W. Vroman, div. engr., 440 Milwaukee St., Milwaukee, concrete paving, etc. 31,516 sq.yd. Burlington-Wilmot-Kenosha Rd., Racine Co.

Ia., Cedar Rapids—July 26, by L. J. Storey, city clk., 7 in. rein.-con. paving 12,386 sq. yd. B Ave. W. $30,000. R. W. Gearhart, city engr.

Ia., Charles City—July 20, at office Auditor Floyd Co., grading, etc. 88,228 cu.yd. J. H. Curtis, Charles City, co. engr.

Ia., Mason City—July 19, at office Auditor Cerro Gordo Co., graveling, etc. 12 mi. Ventura-Meservey Rd. R. E. Robertson, Mason City, engr.

Minn., Duluth—July 19, by C. P. Phillips, city comr., concrete paving, etc. 7,500 sq.yd. Superior Ave. $33,487. J. Wilson, City Hall, engr.

Kan., Atchison—July 23, by Clerk Atchison Co., grading, etc. 4.597 mi. Federal Aid Project 349-A. R. D. Coleman, Atchison, co. engr.

Kan., Marion—July 30, by Clerk Marion Co., concrete or brick paving 0.416 mi., Federal Aid Project 290-A, and grading, etc. 10.747 mi., Federal Aid Project 290-B. C. M. Hartsock, Marion, co. engr. Noted July 8.

Constr. News page 42a

Neb., Omaha—July 20, by City Clerk, grading, paving, etc. 11 streets and 6 alleys. H. Beal, city engr.

N. D., Minot—July 26, by City, paving approximately 60 blocks various streets. $200,000. A. G. Hagenstein, city aud.

South Dakota—July 20, by State Hy. Dept., Pierre, grading, bridging, etc., approximately 1,091,000 cu.yd. 11 projects in 10 counties; and graveling 223 mi. 10 projects in 11 counties. J. C. Botterman, ch. engr. Noted June 17.

Mo., Lamar—July 19, by City Clerk, concrete paving 17,000 sq.yd. around Public Square, etc. $40,000. Russell & Axon, 412 McDaniels Bldg., Springfield, engrs. Noted June 24.

Ark., Bentonville—July 22, by W. E. Jackson, secy. Paving Impvt. Dist. 1, grading, curbing, guttering and paving, etc. 28,251 sq. yd. various streets. Black & Veatch; Mutual Bld., Kansas City, Mo., consult. engrs.

New Mexico—July 26, at Office State Hy. Engr., Santa Fe, one course graveling, etc. 23.346 mi. 3 projects, 3 counties; also grading, bridging, etc. 7.5 mi. 2 projects in 2 counties; J. A. French, highway engr.

Washington—July 27, by State Hy. Comm. Olympia, grading, crushed gravel surfacing, etc. 12.9 mi. 4 projects in 4 counties. J. W. Hoover, Olympia, ch. engr.

California—July 26, by State Hy. Comn., Sacramento, grading and concrete paving 5 mi. road between Oxnard and Hueneme Rd.; also concrete paving 0.55 mi. road between West Sacramento and M St. bridge. R. M. Morton, Forum Bldg., Sacramento, engr.

Calif., Napa—July 24, by J. A. Daly, clk., Napa Co., paving 2.61 mi. road from Rutherford to Dinning Bridge.

Calif., San Diego—July 26, by A. H. Wright, city clk., excav., and 1½ asphaltic concrete surfacing on 3½ in. paving 83,443 sq.ft. Dumas and Rosecrans Sts.; 5 in. concrete paving, 118,480 sq.ft. Ingraham and Hornblend Sts.; and 2 in. asphaltic concrete surfacing on 3 in paving 95,803 sq.ft., "A" St. F. A. Rhodes, city engr. Noted June 17.

Calif., Santa Ana—July 19, by Supervs. Orange Co., concrete paving, etc. approximately 500,000 sq.ft. Rd. Dist. Impvt. 48. J. L. McBridge, Santa Ana, co. rd. comr.

Calif, Ventura—July 26, by Supervs. Ventura Co., concrete paving, etc., approximately 527,950 sq.ft. road between Oxnard and Hueneme. C. W. Petit, Ventura, co. surv.

Calif., Ventura—Meline Co., 706 South Hill St., Los Angeles ,taking bids curbing, walks and 4- to 6-in. and 5- to 7-in. concrete paving 471,200 sq.ft. Pierpont Bay Tract.

Ont., Hamilton — See "Contracts Awarded."

Bids Received

Maine—State Hy. Comn., Augusta, July 2, bituminous macadam paving 1.9 mi. Federal Aid Project 100-A, in Calais from Burpe Constr. Co., Gardner, Mass., $65,655; graveling 3.75 mi. Federal Aid Project 94-A, in Gilead, from Williams & Serento, 71 Myrtle St., Boston, Mass., $56,080, 4.35 mi. Federal Aid Project 96-A in Jay, from Litchfield & Douglas, Brunswick, $84,611, 2.87 mi. Federal Aid Project 96-A, in Strong-Avon, from A. D. Bridges, Hazardville, Conn. $53,405, and 3.01 mi. Federal Aid Project 98-A, in Gouldsboro, from F. Williams, 26 Fiske St., Revere, Mass. $56,145. Noted June 24.

New Hampshire—State Hy. Dept., Concord, bituminous macadam paving 19,958 sq.yd. highway in Grafton and Bethlehem, from O. W. Fernald, Berlin, $53,738, engrs. est. $61,000. Noted July 1.

Massachusetts—Dept. Pub. Wks., Boston, June 29, rein.-con. paving 18,010 ft. highway in Amesbury, from Powers Bros., North Montello St., Brockton, $200,087, and 4,000 ft. in Rockport, from L. Luchoni & Son, Milford, $36,291; bituminous macadam paving 2,500 ft. in Shirley, from Fitchburg Concrete Constr. Co., Fitchburg, $16,258. Noted June 24.

Massachusetts—Dept. Pub. Wks., July 6, bituminous macadam paving 4,400 ft. highway in Millis, from W. H. Hinman, Medway, $19,277, 4,412 ft. in Bedford, from Greenough Constr. Co., South Acton, $25,454, 1,200 ft. in Webster, from C. A. Haggerty, Webster, $13,122, 3,646 ft. in Lexington, from Perini & Ampolini, Plainville, $32,377, and 6,700 ft. in Weston, from Middlesex Constr. Co., Framingham, $41,496; bituminous concrete surfacing 5,270 ft. in East Bridgewater, and 700 ft. West St., in East Bridgewater, from Washburn & Sheridan, Taunton, $14,635 and $5,860 respectively. Noted July 1.

Massachusetts—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, grading, surfacing, etc. Northern Traffic Artery, Boston & Maine R.R. Bridge, Southern Division to Mystic Ave., from J. H. Fannon, 9 Powder House Terrace, Somerville, $22,303.

Connecticut—J. A. Macdonald, highway comr., Hartford, bituminous macadam paving 19,277 ft. highway in Wilton and Westport, and trap rock macadam paving 11,023 ft. in Farmington, from L. Suzio Constt. Co., State St., Meriden, $120,477 and $88,501 respectively; stone macadam pcving 5,400 ft. in Preston, and rein.-con. paving 4,415 ft. in Columbia and Windham, from F. D. Miller, Norwich, $39,151 and $22,299 respectively, 13,150 ft. in Waterford and Montville, from M. A. Gammino Constr. Co., 728 Valy St., Providence, R. I., $119,008; paving 8,232 ft. in Manchester, from E. Balf Co., State St., Hartford, 728 Valy St., $137,594, and from W. H. Hall Constr. Co., 408 Main St., Hartford, amiesite $150,439 gravel surfacing 3,508 ft. in Naugatuck, from D. V. Frione, 103 Ward St., New Haven, $15,474; grading Scott Swamp Rd. in Farmington from T. Allman, Waterbury, $16,642; grading, etc. 14,382 ft. in Westport and Fairfield, from Connecticut Natl. Paving Co., 173 Orange St., New Haven, $63,250. Noted June 24.

New York—A. W. Brandt, comr. Highways, Albany, **(e. e. means engineers estimate)**, constructing and reconstructing 3.89 mi. Repair Contr. 3149, Highway 589, Nevis-Blue Store Rd. and Highway 5004 Blue Store-Livingston Rd., Columbia Co., from Luigi Cicarcia, Kinderhook, $249,150, e. e. $334,713. Noted June 17.

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, July 8, from R. Lynster, 454 East 49th St., grading and flagging Bedford Ave., $2,258; from J. Meehan & Son, 90 West St., New York City, grading and granite paving Croamer St., $13,414; from Uvalde Asphalt Paving Co., 1 Bway., New York City, grading and asphalt paving Ashford St., $6,426, from Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn Ave. $3,058, and East 29th St. $3,729; from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., Bedford Ave. $10,390, Greene Ave. $35,900, Watkins St. $16,705, and 47th St. $6,403, from B. Turecamo Contg. Co., 8706 16th Ave., East 7th St. $13,027, 85th St. at 21st Ave. $6,316, and 85th St. from 24th to 25th Aves. $6,251, from M. J. O'Hara, Neptune Ave. and West 19th St., Quentin Rd. $3,508, Avenue T $4,471, and 90th St. $2,533. Noted July 1.

N. Y., Brooklyn—Park Bd. at office Dept. Parks, Arsenal Bldg., 5th Ave. and 64th Sts., New York City, improving Shore Rd. from 4th to Bay Ridge Aves., here, from Cranford Co., 9th St., $137,868. Noted June 24.

N. Y., Green Island (mail Troy)—Village, from S. A. Scullen, Inc., 16-20 Central Ave., Cohoes, concrete paving Hudson Ave. $40,849, Lafayette St. $3,303, and Clinton St. $5,695; from Troy Paving Co., 418 Gay Blvd., Troy, granite block paving, Lafayette St. $7,185, and from Fitzgerald Bros. Constr. Co., Proctor Bldg., Troy, Clinton St., $11,870.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., July 7, curbing and sheet asphalt paving Jacobus Pl. from Interboro Asphalt Co., 2306 Creston Ave., $11,983; and Cumming St., from D. J. McCarthy, 88 Audubon Ave., $13,713. Noted July 1.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, grading and concrete paving Clove Ave. from Hylan Blvd. to Fingerboard Rd., from F. J. Zarelli, 390 Carey Ave., $22,299; and concrete sidewalks on Sharon and Forest Aves., from J. Johnson Sons, 445 Bway., West New Brighton, $4,405. Noted July 1.

New Jersey—State Hy. Comn., Trenton, July 7, widening Route 1 from Metuchen to Rahway, Middlesex Co., 54,000 cu.yd. unclassified excav., 47,514 sq.yd. penetration macadam shoulders, etc., from Liddle & Pfeiffer, 149 New Brunswick Ave., Perth Amboy, $179,028; also constructing Route 14, Sect. 14, Mays Landing-Egg Harbor Rd., Atlantic Co., 19,908 cu.yd. unclassified excav., 80,213 sq.yd. double line rein.-con. paving and 81,872 sq.yd. gravel, from Interstate Eng. & Constr. Co., 918 Catherine St., Phila., Pa., $289,325. Noted June 24.

N. J., Rutherford—Boro Council, City Hall, rein.-con. paving Orient Way between Station S and Rutherford Ave., from Bianci & Smith, Lyndhurst, (unofficial) $132,000. Noted June 24.

Streets and Roads (Continued)

Delaware—State Hy. Dept., Dover, June 22, grading, and concrete paving **(a)** stone (b) slag (-) open joint (†) metal joint (*) non-metal joint **(1)** 3.37 mi. New Castle-Wilmington Rd., Contr. CN31 **(2)** 5.13 mi. Magnolia-Canterbury Rd., Contr. CK26 **(3)** 0.5 Bay Shore-Lewis Rd., Contr. CS53, from Stewart & Donohue, Wilmington **(†1)** $112,-995 **(-1)** $112,295; from George & Lynch, Dover, **(a*2)** $140,705 **(a*2)** $139,079; **(†b2)** $135,905 **(b*2)** $134,279; from W. W. Truitt, Lincoln City, **(a3)** $15,644 **(b3)** $15,-119. Noted June 3.

North Carolina — State Hy. Com., Raleigh, June 29, from C. E. Hill & Son, Scotland Neck, clearing, grubbing, grading, topsoiling, etc., 5.99 mi. Project 142, Halifax Co. $40,786, from J. F. Mullligan Constr. Co., North Wilkesboro, 15.81 mi. Project 584, Randolph Co. $141,367, 3.84 mi. Project 730-B, Davie Co. $33,320, clearing, grubbing, grading, etc., 11.75 mi. Project 480 Wake Co. $59,295, from N. L. Teer, Durham, 4.14 mi. Project 116, Chowan Co. $113,910, 14.22 mi. Project 109, Bertie Co. $125,168, from Wood & Lipscomb, Roanoke, Va., 11.56 mi. Project 993, Transylvania Co. $88,017, from Dicus Bros., Waynesville, 13.06 mi. Project 834, Henderson Co. $90,-805, and from Beal Bros., Bear Creek, 9.68 mi. Project 279, Sampson Co. $49,885; from P. R. Ashby, 421 North Person St., Raleigh, grading, concrete or sand asphalt paving, etc., 7.21 mi. Project 681, Scotland Co. $134,523, from Wood Constr. Co., Statesville, 6.87 mi. Project 698, Union Co. $189,-242, from Hagedorn Constr. Co., Greensboro, 10.24 mi. Project 542, Guilford Co. $392,202, and from Pennell & Harley, Inc., Spartanburg, S. C., 3.92 mi. Project 979, Madison Co. $100,979. Noted June 10.

Louisiana—State Hy. Comn., Baton Rouge, graveling 8.3 mi. Minden-Springhill Highway, Project 411-B, Webster Parish, from L. M. Wimberly Constr. Co., Arcadia, $44,-658; 11.72 mi. Oberlin DeRidder Highway, Federal Project 167-A, from E. Fisher & Son, Opelousas, $105,649; 4.95 mi. Rustville-DeRidder Highway, Project 446-B and 11.22 mi. Oberlin-DeRidder Highway, Federal Aid Project 167-C, Beauregard Parish, from Barbour & Wimberly, Churchpoint, $82,167; 6.73 mi. Haynesville-Bernice Highway, Project 453-B, Claiborne Parish, from R. C. Norris, Farmsville, $41,634; and 4.06 mi. New Iberia-St. Martinsville Highway, Project 453-A, St. Martins Parish, from G. A. Shows, Lafayette, $15,259. Noted June 3, 10 and 24.

O., Akron—W. F. Peters, dir. Pub. Serv., June 21, **(e. e. means engineers est.)**, from T. E. McShaffrey Constr. Co., 173 South Forge St., grading, curbing, walks and vitr. asphalt paving 9,070 sq.yd. West South St., $68,692 e. e. $101,900, 3,360 sq.yd. Lane St., $20,267 e. e. $26,000, 4,525 sq.yd. Diagonal Rd. 1, $22,326 e. e. $25,800, 10,900 sq.yd. East North St., $63,184 e. e. $62,000, 7,055 sq.yd. Snyder St. et al, $36,384 e. e. $44,800, 10,910 sq.yd. Diagonal Rd. 2, $52,754 e. e. $68,400, and 18,455 sq.yd. Blanche St. et al, $110,482 e. e. $143,000. Noted June 10.

O., Cincinnati—Director Pub. Serv., June 22, brick repaving 3,000 sq.yd. Highland Ave., from Cash-Brewer Co., Spring Grove Ave., $86,058, engrs. est. $98,907; also asphalt and brick repaving 2,800 ft. Bway., 46 ft., from J. S. Bolan, 1517 Ruth Ave., $100,177, engrs. est. $109,133. Noted June 17.

O., Columbus—W. H. Duffy, dir. Pub. Serv., June 22, from B. F. Patterson, 1214 Neil Ave., asphalt paving, etc. 514 ft. Spring St., 46 ft. $5,520, 4,371 ft. Walhalla Rd., 40 ft. $45,180, 1,765 ft. Duxberry Ave. $11,-483, 695 ft. Torrence Rd. $7,225, 2,239 ft. 15th Ave. $19,482, 764 ft. all foregoing 26 ft., Hutson Ave. $11,120, and 718 ft. Innis Rd. $12,140, both 31 ft.; from Cleveland Trinidad Paving Co., Grand Theatre Bldg., 316 ft. Naghten St., 50 ft. $6,991; from A. W. Burns Constr. Co., 1662 Summit St., 1,188 ft. 24th Ave., 24 ft., $13,854. Noted June 10.

O., Youngstown—Paving with **(a)** brick (b) sheet asphalt, stone curbing and (c) concrete, stone curbing (*) tar filler (†) grout filler **(1)** Clyde Ave. **(2)** Wirt Ave. (3) Indianola Ave., from M. Grein, 427 Werner St., **(a*1)** $25,514 **(a*2)** $49,481 **(a†3)** $48,814; from L. Tiberio, Youngstown **(b3)** $30,473; from Kelley & Meyer, Youngstown **(c3)** $26,051.

Indiana—J. D. Williams, dir. State Hy. Comn., Indianapolis, **(S. R. means State Road, and e. e. means engineers estimate)**, from Hutchinson Constr. Co., Indianapolis, concrete paving, etc., approximately 11.5 mi. S. R. 1 and 38, Floyd and Clark Counties, $203,823 e. e. $238,651, 5.472 mi. S. R. 39, Shelby and Rush Counties, $85,078 e. e. $95,337, 6.495 mi. S. R. 39, Rush Co., $98,-927 e. e. $127,433, 5.275 mi. S. R. 2, Porter Co., $97,330 e. e. $106,332, 5.5 mi. S. R. 2, Porter and La Porte Counties, $90,923 e. e. $103,115, 5.562 mi. Jasper Co., $93,238 e. e. $106,054, and 5.967 mi. Jasper and Porter Counties, $96,652 e. e. $110,399; from Reith-Riley Constr. Co., Goshen, approximately 10.775 mi. Sects. A and B S. R. 2, Porter and La Porte Counties, $186,156 e. e. $209,084, 11.529 mi. Jasper and Porter Counties, $189,636 e. e. $216,414, and grading, etc., 7.831 mi. S. R. 2, Starke and La Porte Counties, $38,070 e. e. $41,158; from Globe Constr. Co., Evansville, concrete paving, etc., 0.897 mi. S. R. 16, Vanderburg Co., $15,331 e. e. $17,270; from Jenkins McKinsey, Frankfort, 11.967 mi. S. R. 39, Rush Co., $179,182 e. e. $222,222; and from J. C. Ellis, Rockport, grading, etc., 6.924 mi. S. R. 18, Dubois Co., $64,810 e. e. $86,415. Noted June 10.

Michigan—State Hy. Dept. at comrs. office, Port Huron, concrete paving, 1.592 mi. T.L. 53-21, 20 ft., from Murry & Fremont, Bad Axe, $44,302.

Michigan—State Hy. Dept. at comrs. office, Kalamazoo, concrete paving, 6.317 mi. Sect A, and 6.567 mi. Sect. B, F.A. 232, 20 ft., from Reith Reiley Constr Co., Goshen, Ind., $126,882 and $136,742 respectively. Noted June 17.

Mich., Muskegon—Muskegon Co.,, concrete paving 10.2 mi. road 20 ft., from Charlevoix Abstract & Eng. Co., Charlevoix, $388,220.

Wis., West Allis—Bd. Pub. Wks., June 28, concrete paving, etc., approximately 24,-000 sq.yd. 29 alleys, from Tex Constr. Co., 446 48th Ave., at $1.77 to $1.84 per sq.yd.

Minn., St. Paul—Sheet ashphalt paving Ford Rd. between Snelling and Cleveland Aves., from Fielding & Shepley, 216 University Ave., oil asphalt $119,396; and lake asphalt $122,999.

Tex., Gonzales—Gonzales Co., 1 in. rock asphalt surfacing 8.084 mi. Highway 81, Federal Aid Project 440-D, 18 ft., from Southwest Bitulithic Co., Gunter Bldg., San Antonio, $143,128; triple bituminous surfacing same road from P. Schriewer, Seguin, $147,384. Noted June 10.

Tex., Graham — H. Moseley, chn. State Hy. Comn., Austin, June 29, grading, bridging, etc., 9.79 mi. Highway 67, Young Co., from Womack Constr. Co., Sherman, $52,313. Engrs. est. $59,000. Noted June 24.

Tex., Jasper—J. Mosely, chn. State Hy. Comn., Austin, surfacing 12.382 mi. Highway 62, Federal Aid Project 500-A, 16 ft., from J. E. Thompson, San Augustine, gravel $107,052; and from Martin Bros., Vidor, shell $84,188. Engrs. est. $110,157. Noted June 17.

Tex., Mt. Pleasant—Titus Co., clearing, grubbing, bridging and grading 0.776 mi. Highway 65, Federal Aid Project 333-B, Sect. 2, 26 ft., from J. D. George Constr. Co., Beaumont, $62,159. Engrs. est. $60,-000. Noted June 10.

Colo., Denver—Crushed rock paving 14 blocks East Denver paving Dist. 19, from Levy Constr. Co., Symes Bldg., 6 in concrete base $63,260, and 4 in. crushed rock base $63,260; curbing, guttering, grading and paving 65 blocks Harmore Impvt. Dist. 2, from Western Constr. Corp., 3262 Blake St., crushed rock base $143,013, and in East Denver Impvt. Dist. 9, from J. Collin, 63 South Logan St., $102,122.

Wash., Seattle—Bd. Pub. Wks., June 25, concrete paving, etc. 55,445 sq.yd. East Lynn St. et al, from McHugh & Coluccio, 517-3rd Ave., North, $147,060. e.e. $153,838; and 32,650 sq.yd. Columbian Way, et al, from Interstate Constr. Co., 1713 22nd St. Spoth, $264,951. e.e. $281,013.

Wash., Seattle—Bd. Pub. Wks., concrete paving, etc., 2,700 sq.yd. 40th Ave. N. et al, from J. L. Smith, 304 West 36th St., $51,-275. Engrs. est. $52,994. Noted June 24.

California—State Hy. Comn. Sacramento, June 21, concrete paving 0.55 mi. road between West Sacramento and M St. Bridge, from H. Brown, Sacramento. $31,093. Noted June 10.

Calif., San Francisco — From Keystone Constr. Co., 417 Market St., improving Douglas St. between 20th and 21st Sts., 4,500 cu.yd. excav. at $1.05 per cu.yd., 441 cu.yd. concrete in walls, etc., $0.19, 10,735 lb. reinforcing $0.07, and 18,029 sq.ft. concrete paving $0.30, etc., total $30,041.

Calif., Santa Cruz—S. A. Evans, city clk., curbing, guttering, walks and 5 in. concrete paving Berkeley Way, Hubbard St., etc., from Thompson Bros., Divisadero and H Sts., Fresno, $26,540.

Contracts Awarded

New Hampshire—State Hy. Dept., Concord, waterbound macadam paving and constructing 3 bridges on 1.48 mi. Monadnock Rd. in Marlboro, Cheshire Co., to R. E. Bull, Fitchburg, Mass., $75,624. Engrs. est. $100,000. Noted July 1.

Vermont—State Hy. Dept., Montpelier, rein.-con. paving 0.9 mi. highway in Manchester, to Earle & Merry, Rutland $52,-314. Noted June 24.

Massachusetts—Dept. Pub. Wks., Boston, rein.-con. paving 18,010 ft. highway in Amesbury and Merrimac to Powers Bros., Montello St., Brockton, $200,087; bituminous macadam paving 4,000 ft. in Rockport, to L. Luchini & Son, Milford $36,291, and 2,500 ft. in Shirley, to Fitchburg Constr. Co., Fitchburg, $16,258. Grand total $252,636. Noted July 8.

Conn., New Haven—Repairing state highway, west, to J. E. Driscoll, 499 Prospect St., Torrington, Engrs. est. $50,000.

New York—A. W. Brandt, comr. Highways, Albany, constructing 3.91 mi. Highway 8256, Tuxedo-Harriman Rd. Part 2 and 5.1 mi. Highway 8258, same road, Part 1, to Waterbury Concrete Constr. Co Inc., Waterbury, Conn., $306,743 and $408,792 respectively, engrs. est. $400,987 and $519,559 respectively. Noted June 17.

New Jersey—State Hy. Comn., Trenton, grading and bituminous resurfacing 61,000 sq.yd. Route 1 extension from Marcy Ave. Jersey City to Blanchard St., Newark, Essex and Hudson counties, to C. T. Kavanaugh, 32nd St., Bayonne, $205,871; grading and rein.-con. paving 43,111 sq.yd. Route 20, Sect. 6, Franklinville-Malaga Rd., Gloucester Co. to W. Eisenberg, Smith-Austermuhl Bldg., Camden, $170,594, and 38,940 sq.yd. Route 9, Sect. 16A, Bloomsbury-West Portal Rd., Hunterdon Co., to McInerney & McNeal, Easton, Pa. $180,891. Grand total $557,356. Noted July 8.

N. J., Florence—Burlington Co., asphaltic concrete paving 2 mi. road from Florence to Stevens Station, to W. S. French Co., 226 West Main St., Moorestown, $71,441.

N. J., Rutherford — Boro Council, City Hall, rein.-con. paving Orient Way between Station S and Rutherford Ave., to Bianchi & Smith, Lyndhurst, $132,639. Noted July 8.

N. J., Trenton—Mercer Co., concrete paving 69,033 sq.yd. Trenton-Pennington Rd., to M. Staub, Pitman, $499,238. Noted July 8.

Pa., Harrisburg—City Council, sheet asphalt paving, etc. 31,500 sq.yd. 10 streets and alleys, to Central Constr. Co., 17th and Chestnut Sts., at $3.40 and $3.45 per sq.yd.; and concrete paving, etc. 2,929 sq.yd. curb, to Universal Constr. Co., at $2.54 per sq.yd.

Pa., Mt. Morris—Town Council, rein.-con. paving 2,444 ft. Washington St. and Locust Ave., 20 and 24 ft. to E. E. Morris, Waynesburg, $35,849.

Maryland—State Roads Comn., Baltimore, sheet asphalt paving 0.54 mi. section state highway on Belair Rd. from old City Limits to Eutaw Heights Ave., Contr. BC-60, and 0.55 mi. same road Contr. BC-61, Baltimore Co. to Amer. Paving & Contg. Co., Montebello Ave., Baltimore, $41,401 and $51,553 respectively; graveling 3.75 mi. road between Benville and Berry, Contr. CH-38, and from Beantown to Malcolm, Contr. CH-40, to H. S. Swann, La Plata $31,539 and $12,967 respectively, 2 mi. road between Newburg and Cocksey, Contr. CH-39, to J. A. Wilmer, La Plata $12,214, all foregoing in Charles Co.; concrete paving 2 mi. road from Damascus to Laytonsville, Contr. M-64, Montgomery Co., to M. J. Grove Lime Co., Lime Kiln $35,897, 0.5 mi. road from State Roads to Secretary, Contr. D-42, Dorchester Co., to A. Farmer, St. Michaels $8,850, 1 mi. road between Knoxville and Brunswick, Contr. F-33, Frederick Co., to Poffinberger, & Mause, Myersville $22,118, and 0.78 mi. road from Bush Corner towards Pennsylvania state line, Contr. H-41, Harford Co., to Sutton Constr. Co., 1125 Jefferson Bldg., Phila., Pa. $26,013. Grand total $242,530. Noted June 10, 24 and July 1.

Md.—Baltimore—Bd. Awards concrete paving footways as listed in Footway Contr. 94, to F. Carozza, Garrett. Bldg., $32,525

Va., Richmond—Dept. Pub. Wks., **(e.e. means engrs. est.)** grading, curbing, guttering and graveling, etc. 23,050 sq.yd. West End, Group 1, and 15,400 sq.yd. North Side, Group 2, to J. J. Curley, 901 West 4th St., $23,968 and $20,788 respectively e.e. $28,851 and $25,101 respectively, 9,240 sq.yd. East End, Group 3, to Old Dominion Constr. Co., Richmond, $19,732 e.e. $24,209 and 8,761 sq.yd. South Side, Group 4, to Van Doren Bros., Richmond, $14,070 e.e. $16,593; also vitr. brick paving 7,650 sq.yd. Marshall St., to McGuire & Rolfe, 314 South 7th St., $25,837 e.e. $28,150. Grand total

Georgia—State Hy. Dept., East Point **(F. A. P. means Federal Aid Project and S. A. P.**

Constr. News page 43

Streets and Roads (Continued)

means State Aid Project), to J. R. and J. B. Miller, Baconton, concrete surfacing 6.17 mi. Atlanta-Macon Rd., F. A. P. 1-C, Clayton Co. $144,391; to Wallace Constr. Co., 101 Marietta St., Atlanta, sand clay surfacing 1.387 mi. Lyons-Swainsboro Rd., S. A. P. 417-S, Toombs Co. $7,012, 5.144 mi. Abbeville-McRea Rd., S. A. P. 384-B, Dodge Co. $23,531; chert surfacing 2.947 mi. Cartersville-Atlanta Rd., F. A. P. 413-C, Cobb Co. $30,435; asphalt surfacing 4.1 mi. Rome-Cartersville Rd., F. A. P. 368, Floyd Co. $17,876; grading 5.975 mi. Statesboro-Savannah Rd., S. A. P. 207-B, Effingham Co., incl. 2 bridges $59,255 and 16.275 mi. Swainesboro-Louisville Rd., S. A. P. G-7-11, Emanuel Co. $59,255 to S. E. Finley, 212 West North Ave., Atlanta, surface treating 3.267 mi. Albany-Dawson Rd., F. A. P. 430-A, Dougherty Co. $14,144 and 4.34 mi. Sylvester-Albany Rd., F. A. P. 213, Worth Co. $27,170, to MacDougal Constr. Co., 189½ Spring St., Atlanta, 15.13 mi. Waycross-Alma Rd., F. A. P. 291 and 277, Ware Co. $122,056, to Interstate Constr. Co., Ind. Bldg., Nashville, Tenn. 6.675 mi. Dalton-Chattsworth Rd., S. A. P. 178 Murray Co., $42,665, to A. Brooke, 101 Marietta Bldg., Atlanta, 10.3. mi. Sylvester-Moultrie Rd., S. A. P. G-8-19, Colquitt Co. $68,998 and 3.9 mi. Cordele-Vienna Rd., F. A. P., 383-A, B and C, Crisp Co. $41,486; to H. F. Atwood, Darien grading 8.173 mi. Jesup-Baxley Rd., F. A. P. 309-B, Wayne Co. $19,678, to Burgess & Moseley, Toccoa, 4.84 mi. Blue Ridge-Copperhill Rd., S. A. P. 358-S, Fannin Co., $530,036, to M. R. Woodhall, Walton Bldg., Atlanta, 5.1 mi. Clarksville-Clayton Rd., F. P. 425-E, Habersham Co. $37,579, to chert surfacing 2.84 mi. Jasper-Ellijay Rd., S. A. P. 392-S, Gilmer Co., $53,569, to W. C. McCoy, Lafayette, Ala., 2.874 mi. Jasper-Ellijay Rd., S. A. P. 392-A, Pickens Co. $25,911; to E. G. Martin, Covington, gravel surfacing 2.169 mi. Covington-Madison Rd., S. A. P. 153-S, Newton Co. $31,328; to Brittain Constr. Co., 608 Decatur St., Atlanta, penetration macadam surfacing 2.5 mi. Madison-Social Circle Rd. F. A. P. 245, Morgan Co. $26,510 and 2.62 mi. Thomaston-Zebulon Rd., F. A. P. 346, Upson Co. $34,192; to Campbell Constr. Co., Columbus, paving 9.021 mi. Columbus-Hamilton Rd., F. A. P. 453, Muscogee Co. $249,249 to Nicholas Constr. Co., 1 La France St., Atlanta, sand clay surfacing 2.2 mi. Knoxville-Columbus Rd. S. A. P. 390-S, Crawford Co. $18,006. Grand total $1,207,130.

La., New Orleans—City Comn., to Monney & Chisolm, c/o City Engineer, vitr. brick paving 1,850 ft. Akvar St. at $15.54 per front ft., 4,560 ft. Claiborne Ave. from Washington to Melpomene Aves. at $27.61, 4,000 ft. Claiborne Ave. from Melpomene to Howard Aves. at $27.06, 2,400 ft. Claiborne Ave. from Howard Ave. to Poydras St. at $26.65, 940 ft. Poydras St. from South Rochblave to South Broad Sts. at $35.44, etc.; to Craven & Lang, Carondelet Bldg., warrenite paving 6,270 ft. Canal St. from South Claiborne Ave. to South Jefferson Davis Parkway at $21.76, 6,270 ft. Canal St. from North Claiborne Ave. to North Jefferson Davis Parkway at $21.75, 1,990 ft. Claiborne Ave. from Louisiana to Washington Aves. $19.54, 5,650 ft. Franklin Ave. from Florida Ave. to Bay St. $18.88, refined trinidad asphalt paving 1,076 ft. South Prieur St. from Canal to Tuland Ave., $11.62; to Southern Uvalde Rock Asphalt Co., Carondelet Bldg., uvalde rock asphalt paving 5,980 ft. Canal St. from South Jefferson Davis Parkway to South Anthony St. $22.11, 5,980 ft. Claiborne Ave. from North Jefferson Davis Parkway to North Anthony Sts. $21.75; to Southern Roads Co., Whitney Bldg., warrenite paving 47,156 ft. Claiborne Ave. from Mistletoe St. to Orleans Jefferson Paris Line $19.54; to Globe Constr. Co., Louisiana Bldg., grading Alvar St. from Charles to St. Claude Aves.; to L. M. Buja, 3112 Esplade Ave., Canal St. from South Claiborne Ave. to South Jefferson Davis Parkway, Canal St. from South Jefferson Davis Parkway to North Anthony St. Canal St. from North Jefferson Davis Parkway to North Anthony St. and South Prieur St. from Canal St. to Tuland Ave., to Fresh & Olivera, Louisiana Bldg., Claiborne Ave. S. from Mistletoe to Orleans, Jefferson Parish Line, from M. J. Flynn, 7820 Spruce St., Claiborne Ave. S. from Louisiana to Washington Aves., Claiborne Ave. S. from Washington to Melpomene Aves., Claiborne Ave. S. from Melpomene to Howard Aves., and Claiborne Ave. S. from Howard Ave. to Poydras Sts., washed gravel surfacing 2,651 ft. Catina St. from Polk to Harrison Aves., at $2.02 per front ft., 2,651 ft. Catina St. from Fillmore to Harrison Aves., $2.02, 1,173 ft. D'Abodie St. from Broad to St. Bernard Aves. $2.16, 700 ft. Pitcheloun Pl. from Dumaine to Delgodo Drs. $1.81, 4,400 ft. Poland Ave. from St. Claude Ave. to Derbigny St. $3.15, 42,596 ft. same street $3.18; to M. Mitchel & Son c/o City Engineer, grading Franklin Ave. from Florida Ave. to Bay St.; to Byrd & Clopton, c/o City Engineer, washed gravel temporary paving 1,350 ft. Acacia St. $2.32 6,075 ft. Independence St. from St. Claude to Florida Aves. $2.28, 4,243 ft. Pauline Ave. from Claiborne to Florida Aves. $2.27, 673 ft. Twiggs St. from West End Blvd. to Milne St. $2.96, 11,736 ft. Whitney Ave. from Patterson to Bringier Aves. $4.34, 1,320 ft. Wuerpel St. from Filmore to Lane Aves. $2.86, natural sand clay graveling 3,407 ft. Eastern St. from Gentilly Rd. to Dreauxare St. $1.51, 921 ft. Jasmine St. from Iris to Clematis Sts. $1.66, 270 ft. North Robertson St. $1.93, and 630 ft. Wisteria St. from Lotus to Peoples Aves. $1.55. Noted Mar. 25.

Kentucky — State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, bituminous macadam surfacing 4.31 mi. Danville-Libertyville Rd., S. A. P. 96-A, Boyle Co., to Carrick & Sable, Newton, $80,407; water-bound macadam surfacing 7.791 mi. New Castle-La Grange Rd., S. A. P. 19-A, Henry Co., to Muir & Welch, Nicholasville, $192,-245; bank gravel surfacing 2.54 mi. Earlington-Mortons Gap Rd., F. A. P. 122-B, Hopkins Co., to Corum Bros., Madisonville, $25,626; rein.-con. surfacing 5.48 mi. Williamstown-Georgetown Rd., F. A. P. 114, Grant Co., to Holmes Constr. Co., Wooster, O., $151,551, and 2.982 mi. Madisonville-Earlington Rd., F. A. P. 122-A and D, Hopkins Co., to N. E. Stone & Co., Madisonville, $81,850; grading, etc., 7.533 mi. Elizabethtown-Leitchfield Rd., F. A. P. 147-B, Hardin Co., to General Constr. Co., Elizabethtown, $50,907, 6.455 mi. Hazard-Whitesburg Rd., F. A. P. 128-D and E, Knott and Letcher Counties, to Eastern Constr. Co., Harlan, $97,444, 4.1 mi. Hodgenville-Elizabethtown Rd., F. A. P. 118-B, Larue Co., to Mason Constr. Co., West Point, $30,042, 9.201 mi. Salyersville-West Liberty Rd., S. A. P. 28-C, Magoffin Co., to Demster Constr. Co., Knoxville, Tenn., $160,946, and 6.929 mi. West Liberty-Salyersville Rd., S. A. P. 28-B, Morgan Co., to North Fork Constr. Co., Jackson, $174,644. Grand total $1,045,622. Noted June 24.

O., Cincinnati—Director Pub. Serv., curbing, guttering, sidewalks, and concrete repaving, etc. 25,500 sq.yd. Kellogg Ave., to Biegler Bros., Middletown, $114,758, engrs. est. $142,664; and vertical fibre brick repaving 17,000 sq.yd. Madison Rd., to Andrew Asphalt Co., Hamilton, $55,771, engrs. est. $63,060. Noted June 24.

O., Cleveland — To Cleveland Trinidad Paving Co., The Arcade, bituminous concrete paving, etc., East 104th St. $12,906, East 56th St. $8,602, brick paving Sherwood Ave. $6,184, and concrete paving Liege Court $2,444; to Rieley Bros., The Arcade, brick paving Kingsford Rd. $27,727; to Enterprise Paving & Constr. Co., 8444 Bway., concrete paving Danville Courts $3,563, Loma Courts $3,330, and brick paving Kepler Courts $4,544, to Gould & Maybach, 16311 Saranec Rd., East 176th St. $7,966, to Bentley Bros., Hanna Bldg., East 149th St. $25,752, and bituminous concrete paving Melba Ave. $16,946; to Roehl Bros., 7002 Denison Ave., brick paving Clayton Ave. $3,219, Cloverdale Ave. $12,694, Keith Ave. $1,827, bituminous concrete paving Attica Ave. $22,335, Bartter Ave. $6,913, and concrete paving Fostoria Ave. $1,071; to Baldwin Bros., 4500 Euclid Ave., brick paving Daisy Ave. $4.064, bituminous concrete paving Galion Ave. $5,982, East 133rd St. $11.271, Evelyn Ave. $8,696, and Hood Ave. $6,024. Grand total $204,060.

O., Cleveland—Comrs. Cuyahoga Co., concrete paving, Sect. R, 110, Warrensville Center Rd. to N. Seigel, Newman-Stern Bldg., $48,200; asphalt resurfacing 3 Sects. Warrensville Center Rd., to Highway Constr. Co., Guarantee Title Bldg., $50,969.

O., Cleveland—Bituminous concrete paving, etc., East Park Dr. and Edgerton Rd., to H. G. Herring, Wayside Rd., $48,706 and $6,649 respectively.

O., Columbus—W. H. Duffy, dir. Pub. Serv., to Franklin Asphalt Paving Co., 209 South High St., grading, curbing and asphalt paving, etc. 1,005 ft. Binns Blvd. $11,-220, 714 ft. Salisbury Ave. $9,247, 2,079 ft. Columbian Ave. $23,005, 716 ft. Crescent Rd. $9,798, 300 ft. Louden Ave. $3,958, 1,276 ft. Hague Ave. from Sullivant Ave. to Dartmoor Rd. $18,649, and 2,306 ft. Hague Ave. from Broad St. to Cleveland, Cincinnati, Chicago & St. Louis R. R. tracks $33,005, all foregoing 26 ft. wide. Grand total $108,882. Noted June 24.

O., Dayton—G. F. Baker, dir. Pub. Serv., vibrolithic concrete paving Overlook Ave. to J. Wroe, Harries Bldg., $143,702; and brick paving East 3rd St., to Hoolihan & Wangler, 1414 Riverview Ave., $29,628. Noted June 24.

O., Lisbon—Columbiana Co., concrete surfacing Sect. D, East Liverpool-Youngstown Rd., Fairfield Twp., to Lewis & Copeland, Lima, $63,336. Engrs. est. $65,000. Noted July 1.

O., North Canton (br. Canton)—Asphalt paving, etc. Harmon and Wise Sts., to General Asphalt Paving Co., Witters Bldg., Canton, $28,432. Engrs. est. $27,800.

O., Rocky River—Village, concrete paving 4,000 ft. Lakeview Rd. to Ohio Eng. Co., Lorain, $50,000; also Goldengate Rd., to Highway Constr. Co., Guarantee Title Bldg., Cleveland, $10,000. Noted July 1.

O., St. Clairsville—Belmont Co., Antisite and traffic bound macadam paving Webbmine-Shadyside Rd., to Rosser & Malony, Bellaire, $33,547.

O., Youngstown—Concrete paving, etc. Sheridan Rd. W. to V. Olson Co., Youngstown, $29,042. Engrs. est. $30,000.

O., Youngstown—Mahoning Co. improving with asphalt, Wickleffe St., Austin Twp., to V. Olson Contg. Co., 508 Mahoning Bank Bldg., $83,249; also Faralain and Brownlee Sts., to Caputo Constr. Co., 1009 Ford Ave., $27,612.

Michigan—State Hy. Dept., Lansing, surfacing, concrete paving 4.275 mi. T. L. 14-74, 20 ft. Jackson and Ingham Co., to State Constr. Division, Lansing.

Michigan—State Hy. Dept., Div. office, Alpena, grading, surfacing two course gravel 2.828 mi. F. A. 199 Sec. A, 18 ft. Montomorency Co., to Moore & Hoffmeyer, Evart, $31,683.

Michigan—State Hy. Dept., Lansing, concrete paving 1.482 mi. T. L. 27-24, 20 ft., St. Clair Co., to J. W. Baker & Son, Port Huron, $60,652. Noted June 10.

Michigan—State Hy. Dept., Lansing, concrete paving 6.353 mi. F. A. 132, Sect. A, 20 ft., Montcalm Co., to C. G. Milne, Saginaw, $212,449.

Mich., Detroit—To Detroit Asphalt Paving Co., 909 Transportation Bldg., 3½ in. sheet asphalt on 8 in. concrete paving Turnow Ave. from Kirkwood to Vernor Aves. $12,785, Appoline Ave. from Grand River to Davisson Ave. $20,896, Duane Ave. from Petosky to Otsego $6,801, Prairie Ave. from Seven Mile Rd. to Outer Dr. $15,860, Monica Ave. from Seven Mile Rd. to Outer Dr. $15,916, Prairie Ave. from Alaska to Bonaparte Aves. $18,461, Springle Ave from Canfield to Forest Aves. $10,281, Tuxedo Ave. from Petosky to Otsego Aves. $6,889, Cecil Ave. from Herbert to McGraw Aves. $16,353, Sorrento Ave. from Grand River to Davison Aves. $16,777; to Dept. Pub. Wks., City Hall, Shields Ave. from Luce to Davison Aves. $8,539, Rosemary Ave. from Lot 43 to Gratiot Ave. $11,670, Bessemore Ave. from Erwin to Rohns Aves. $13,678, and Wallace Ave. from St. Thomas to Miller Aves. $7,833; to Cleveland Trinidad Paving Co., 402 Hammond Bldg. Monica Ave. from Eaton to Chalfonte Aves. $10,275, Turner Ave. from Fenkell to Midland Aves. $15,681, and De Soto Ave. from Livernois to Tuller Aves. $21,249; to Cooke Asphalt Paving Co., 260 Penobscot Bldg., Burt Ave. from Fenelon to Davison Aves. $12,648. Grand total $242,590. Noted April 1.

Mich., Mount Clemens—Grading, curbing and guttering 21 streets, to A. R. Crow & Co., 311 Morgan Bldg., Detroit, $36,057.

Mich, Muskegon—Grading and asphalt or concrete surfacing 16,222 sq.yd. Lake Harbor Rd. from Henry St. to McCracken Ave., to Globe Constr. Co., Portage St., Kalamazoo, $30,506, Engrs. est. $35,000.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete paving 4.28 mi. Route 3, Sect. 5, 18 ft., Cass Co., to Dobson & Robinson, Lincoln, Neb. $73,747, 2.57 mi. Route 20, Sect. 14, 18 ft., McHenry Co., to E. H. Merrick, Kenosha, Wis. $91,350, 1.67 mi. Route 4, Sect. 63, 24 ft. St. Clair and Madison Counties and 2.62 mi. Route 13, Sect. 29, 18 and 20 ft., St. Clair Co., to Hoeffken Bros., Belleville $49,500 and $61,093 respectively, 2.27 mi. Route 8, Sect. 50 and 51, 20 and 40 ft., to Harteman-Clark Bros. Co.; Peoria $41,-000, widening Route 7, Sect. G-1, La Salle Co., to Booth and Gildchrist, Gardener $6,-031, Route 7, Sect. G-2, La Salle Co., to Duncan Constr. Co., La Salle $36,645; grading 6.15 mi. Route 13, Sect. 28-A, St. Clair Co., to Tritt Bros., Belleville, $51,892. Grand total $411,558. Noted June 10 and 24.

Ill., Belleville—St. Clair Co., grading and concrete paving 7 mi. Belleville-Smithton Rd., to Mautz & Oren, Effingham, $137,040. Noted Dec. 10.

Constr. News page 44

Streets and Roads (Continued)

Ill., **Chicago**—Bd. Local Impvts., Room 207, City Hall, 6 ft. concrete sidewalks on one side West 57th and West 59th Sts. and both sides West 57th and West 58th Pls. and West 58th St. from South Lawndale to South Ramlin Aves., both sides South Lawndale and one side South Hamlin Aves. from West 57th to West 59th Sts., one side West 61st St. and both sides West 62nd St. from South Crawford to South Keeler Aves., one side South Crawford and South Keeler Aves., and both sides Komensky, South Karlov and South Kedvale Aves. from West 61st to West 63rd Sts., one side East 80th and both sides East 81st Sts .from South Park to Prairie Aves., one side East 82nd St. from Calumet to Prairie Aves., one side South Park Ave. from East 80th to East 81st Sts., both sides Calumet Ave. from East 80th to East 82nd St. and one side Prairie Ave. from East 81st to East 82nd Sts., to Simpson Constr. Co., 133 West Washington St.; one side Nieman and both sides Palatine Aves. from North Natoma to Newark Aves., both sides Isadore Sts., from North Newcastle to Newark Aves., one side North Natoma Ave., also both sides North Normandy, North Oak Park and North New Castle Aves. from Nieman Ave. to Raven St., one side Newark Ave. from Nieman to Palatine Aves., one side Barry and Belmont Aves., and both sides Fletcher St. from North Melvina to North Narragansett Sts., one side Barry Ave. Metropole and North Petropole Sts. and from North Mobile to North Narragansett Aves., one side North Melvina Ave. from Belmont to Wellington Aves., one side North Mobile Ave. from Belmont to Barry Aves., one side Wellington Ave. and both sides George and Wolfrom Sts. from North Sayre to North Nordica Aves., one side North Sayre and North Nordica Aves. from Wellington to Diversey Aves., one side Irving Park Blvd. from railroad to North Normandy Ave., both sides Darkin St. from North Neenah to North Oak Park Aves., both sides Byron St. from North Normandy to North Oak Park Aves., one side North Oak Park and both sides North Normandy Aves. from Irving Park Blvd. to Byron St., one side Palmer St. and Armitage Ave., and both sides Dickens Ave. from North Newland to North Nordica Aves., one side North Newland and North Nordica Aves. and both sides North Sayre Ave. from Palmer St. to North Armitage Ave., to Siewert-Callsen Co., 3865 Milwaukee Ave.; both sides East 80th and East 81st Sts., and one side East 82nd St. from Ingleside to Cottage Grove Aves., one side Ingleside and Cottage Grove Aves. and both sides Drexal and Maryland Aves. from East 79th to East 82nd Sts., both sides West 56th and one side West 57th Sts. from South California to South Sacramento Aves., one side Souh California, South Mozart and South Sacramento Aves., and both sides South Francisco Ave. and South Richmond St. from West 55th to West 57th Sts., one side East 93rd St. from Crandon to Luella Aves., one side East 94th St. from Phillips to Luella Aves., both sides Yates Ave. from 92nd to 94th Sts., both sides Oglesby and Crandon Aves. from East 93rd to East 4th Sts., one side Luella Ave. from East 92nd to East 94th Sts., one side Talcott and Bryn Mawr Aves. from North Nordia to North Harlem Aves., one side North Nordica and North Harlem Aves. and both sides North Neva Ave. from Talcott to Bryn Mawr Aves., one side West 99th St. from South Wood St. to Walden Parkway, both sides Walden Parkway from West 99th to West 100th Sts., both sides West 106th Pl. from South State St. to Wentworh Aves., both sides Lafayette Ave. and South La Salle St. from West 106th Pl. to point 150 ft. north, to G. Kehl Sons, 1225 North Maplewood Ave.; both sides West 83rd and West 84th Sts. and one side West 85th St. from South Ashland Ave. to South Wood St., both sides South Marshfield, South Paulina and South Hermitage Aves. from West 83rd to West 85th Sts., also one side Schreiber and Ravenwood Aves. from Pratt Blvd. to Devon Ave., to Bruncken-horst Const. Co., 384 North Harding St.; one side West 113th Pl. and both sides West 114th Pl. from Loomis St. to South Loomis Ave., one side Loomis St. and South Ashland Ave. and both sides South Bishop and Laflin Sts. from West 112th Pl. to West 115th St., one side West 105th and both sides West 106th Sts. from Western to South Maplewood Aves., both sides West 106th St. from railroad to South Maplewood Ave., one side South Campbell Ave. and Unnamed St. and both sides South Artesian and South Maplewood Aves. from West 105th to 107th Sts., one side West 123rd St. from South Peoria to South Sangamon Sts., also both sides South Peoria and South Sangamon Sts. from West 122nd to 123rd Sts., to H. Johnson & Co., 430 West 11th St.; one side West 96th St. from Wentworth to Harvard Aves., one side Wentworth Ave. and both sides Yale, Princeton and Harvard Aves. from West 95th to West 96th Sts., one side West 47th and West 49th Sts. and both sides West 48th St. from South Keeler to South Kostner Aves., one side South Keeler and South Kostner Aves. and both sides South Kildare, Tripp and Kolin Ave. from West 47th to West 49th Sts., one side North Wellington and North Austin Aves. and both sides Fletcher and Metropole Sts., Barry and North Meade Ave. from Belmont to Wellington Aves., one side West 51st St. from South Kedzie to South Homan Aves., one side South Spalding, Turner and South Homan Aves. from West 51st St. to point 638 ft. north, North Kilbourne Ave. from Roscoe St. to Belmont Ave., one side Peterson Ave. and both sides Manton Ave. from Markham to North Austin Aves., also North Austin Ave. from Peterson to Elston Aves., to Aldrich Constr. Co., 430 West 11th S., one side East 83rd St. from Constance to Macfarlane Aves., both sides East 84th St. from Jeffrey to Macfarlane Aves., one side East 85th St. from Euclid to Macfarlane Aves., one side Anthony Ave. from East 83rd to East 84th Sts., both sides Constance and Euclid Aves. from East 84th to East 85th Sts., one side Macfarlane Ave. from East 84th to 85th Sts., one side West 105th and both sides West 106th Sts. from South Hoyne to South Western Aves., one side West 107th St. from South Hamlin to South Western Aves., also both sides South Leavitt St., Irving, Oakley and Claremont Aves., to Biesen & Barclay; one side Wellington and Diversey Aves. and both sides George St. from North Melvina to North Narragansett Aves., one side North Malvina, both sides North Merrimac, North Mobile and North Mulligan Aves. from Wellington to Diversey Aves., to J. Croake; one side West 63rd and 65th Sts. and both sides West 64th St. from South Mozart to South Sacramento Aves., both sides South Richmond St., South San Francisco and South Sacramento Aves. from West 63rd to West 64th Sts., to A. Graff, 30 North La Salle St. Noted June 10.

Wis., Beaver Dam—W. A. Green, city clk., concrete paving, etc. various streets to Wilson Constr. Co., 107 West College Ave., Appleton $45,506. Noted June 17.

Wis., Milwaukee—W. J. Cary, clk., Milwaukee Co., concrete paving, etc. 8th Ave. 5 and Rawson Ave. 2, to Milwaukee General Constr. Co., 427 Mitchell St. $59,620 and $57,342 respectively, and Lincoln Ave. 1, to Tex. Constr. Co., 446 68th Ave., West Allis $62,673; also vibrolithic concrete paving, etc. Wauwatosa Ave. 5, to Kroening Constr. Co., 39th Ave. and Mitchell St., $35,248. Grand total $214,883. Noted Apr. 29.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., to White Constr. Co., 68 Wisconsin St., asphalt paving Shepard Ave. $17,944; Summit Ave. $18,786; and Maryland Ave. $22,630. Grand total $59,360. Noted June 24.

Wis., Milwaukee—W. J. Cary, clk. Milwaukee Co., concrete paving, etc., Granville Rd. "B" and Granville Rd. 2, to Kroening Constr. Co., 39th Ave. and Mitchell St., $15,058 and $35,556 respectively. Noted Apr. 29.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., to Kroening Constr. Co., 39th Ave. and Mitchell St., vibrolithic concrete paving, etc., 50th St. $6,329, to Czerwinski Constr. Co., 816 Clinton St., 55th St. $10,374, 58th St. $5,442, 59th St. $13,888, Locust St. $30,137, Logan Ave. $4,739, Meinecke Ave. $27,990, and Wright St. $32,357, to Tex Constr. Co., 448 68th Ave., West Allis, 16th St. $7,152, to Froeming Bros., 1326 Humboldt Ave., 17th St. $7,519, to Rumz & Switalski, 831 13th Ave., Louis Ave. $6,798, and one course concrete paving Layton Blvd., $1,736; to A. E. Retzlaff, 868 Island Ave., sidewalks on Lake St. $1,609, and to Lincoln Constr. Co., 1487 13th Ave., 58th St. $5,442. Grand total $161,296.

Ia., Primghar—O'Brien Co., grading 11 mi. Secondary Rd., to Sioux City Constr. Co., Sioux City, $19,361; subway excav. on Primary Road 69, to L. Mead & J. J. Zeimen, Calumet, $3,390; and graveling Federal Aid Project 247, to Weaver & Weaver, Spirit Lake, $6,911. Grand total $29,562.

Minn., Minneapolis—A. P. Ericson, aud. Hennepin Co., grading, etc. Forest Lake Cutoff Rd. between Lowry Ave. and Minneapolis and Minnesota Trunk Highway 1, through New Brighton, to J. J. and M. S. Mergens, 400 Temple Court Bldg. $116,356. Engrs. est. $125,000. Noted June 24.

Minn., Proctor—Paving 5 blocks various streets, to Haffner & Nelson, Duluth, $32,977.

Kan., Mound City — Linn Co., grading and paving 3.373 mi. Federal Aid Project 109, Sect. C, 18 ft., to A. L. Cook, Ottawa, $101,587. Noted June 10.

Nebraska—State Hy. Comm., Lincoln, grading 198,200 cu.yd. and bridging Federal Aid Project 262-A, Cuming Co., to Central Bridge & Constr. Co., Wahoo.

Neb., Lincoln—To Cochran Constr. Co., concrete paving, etc., 10,400 cu.yd. various 822 1st Natl. Bank Bldg., asphaltic constreets in Dist. 15, $14,688, 875 cu.yd. Dist. 715, $9,665, and 5,110 sq.yd. in Dist. 647, $18,847; to Abel Constr. Co., 318 Terminal Bldg., vitr. brick paving, etc. 1,530 sq.yd. various streets in Dist. 662, $22,862; to Roberts Constr. Co., 405 1st Natl. Bank Bldg., 970 sq.yd. in Dist. 722, $5,971, and 2,790 sq.yd. various streets in Dist. 724, $12,656. Grand total $84,689.

Neb., Wahoo—Vibrolithic concrete paving streets in Dists. 2 and 3, to Central Bridge & Constr. Co., Wahoo, $35,935.

Neb., Wilbur—Warrenite bitulithic paving, etc. 17,470 sq.yd. various streets, to Abel Constr. Co., 318 Terminal Bldg., Lincoln. Cost withheld.

Wyoming—State Hy. Dept., Cheyenne, grading, bridging, etc. 95,600 cu.yd. Federal Aid Project 175-A, Laramie Co., to Kachey & Son, Wheatland, $33,225; 81,150 cu.yd. Federal Aid Propect 184-A, Lincoln Co., to Wickham Bros. & Schwieger, Billings, Mont., $42,600 cu.yd. Federal Aid Project 145, Fremont Co., to C. D. Cain, Riverton $39,312; and 134,400 cu.yd. Federal Aid Project 170-A, Niobrara Co., to J. Davis, Bordeaux, $37,052. Grand total $152,254.

Mo., Hannibal—Improving Grand Ave. 5,016 cu.yd. excav., 5,936 ft. integral curbing, 11,568 sq.yd. 6 in. rein.-con. paving, etc., to Hannibal Contg. Co., Hannibal, $33,824.

Mo., Kennett—C. S. Schultz, clk. Dunklin Co., grading and graveling 6.28 mi. various streets, to Norman Davis, Sikeston, $63,241. Noted June 17.

Mo., Maplewood—Concrete paving, etc. Big Bend Rd. between Manchester St. and city limits to C. M. Berry, Webster Groves $25,000; and Laclede Station Rd. between Manchester and Rennells Sts. to Carlan Constr. Co., 3516 Greenwood St. $8,000. Noted Apr. 29.

Arkansas—State Hy. Dept., Little Rock, **(F.A.P. means Federal Aid Project)**, improving 14.96 mi. Camden-Hampton Rd., F.A.P. 226-A, Calhoun Co., 56.79 acres clearing and grubbing, 80,148 cu.yd. excav., 4,680 ft. untreated and 75,952 ft. treated timber, 30,941 lb. reinforcing, etc., to Mississippi-Arkansas Constr. Co., Little Rock $47,385, 1.45 mi. Corning-Piggott Rd., F.A.P. 238-A, Clay Co., 5.9 acres clearing and grubbing, 32,044 cu.yd. excav., etc., to Tolbert Bros. & Co., Paragould $13,042, 1.25 mi. Alma-Mulberry Rd., F.A.P. 234-A, Crawford Co., 1.25 acres clearing and grubbing, 74,319 cu.yd. excav., 94,551 lb. reinforcing and 122,093 lb. structural steel, etc. to E. L. Terry & Co., Brinkley $61,753, 4.27 mi. Marianna-Hughes Rd., F.A.P. 183-F, Francis Co., 11.34 acres clearing and grubbing, 16,308 cu.yd. excav., 4,560 ft. untreated and 71,278 ft. treated timber, 2,503 lb. reinforcing, etc., to A. M. Tucker, Hughes $26,030, 6.19 mi. Marmaduke-Halliday Rd., F.A.P. 239-A, Greene Co., 46.36 acres clearing and grubbing, 56,617 cu.yd. excav., 3,250 ft. untreated and 52,354 ft. treated timber, 18,850 lb. reinforcing, etc., to Bunnell & Mack, Paragould, $42,693, 11.02 mi. Batesville-Heber Springs Rd., F.A.P. 240-B, Independence Co., 24.29 acres clearing and grubbing, 66,749 cu.yd. excav., 18,727 ft. treated timber, 34,740 lb. reinforcing and 6,830 lb. structural steel, etc., to M. E. Gillioz, Monett $62,978 and 9.50 mi. Hope-Lewisville Rd., F.A.P. 215-B, Lafayette Co., 37.14 acres clearing and grubbing, 55,332 cu. yd. excav., 12,943 ft. treated timber 16,979 lb. reinforcing, etc., to L. F. French, Texarkana, $22,352. Grand total $276,233.

Tex., Abilene—For 2 in. bitulithic on 5 in. concrete paving 5 blocks North 4th St., to West Texas Constr. Co., Abilene, at $2.91 per sq.yd. Engrs. est. $28,000.

Tex., Pittsburg—J. R. Hoten, judge Camp Co., clearing, grubbing, grading and bridging 5.019 mi. Highway 65, Federal Aid Project 333-B, to Reynolds & Sutton, Tyler, $57,253. Noted June 10.

Oklahoma—State Hy. Dept., Oklahoma City, **(F.A.P. means Federal Aid Project, S.A.P. means State Aid Project and e.e. means engineer's estimate)**, to H. L. Cannady & Co., 1122 South Lewis St., Tulsa, sheet asphalt surfacing 47,560 sq.yd. Holdenville Rd., F.A.P. 174-A, Hughes Co. $142,370, e.e. $150,000, to Green, Boots & Co.,

Constr. News page 45

Streets and Roads (Continued)

519 West Main St., Oklahoma City, 28,856 sq.yd. F.A.P. 211-H, Oklahoma Co., $87,671, e.e. $100,000, to Ward, Beekman & Brooks, Guthrie, 9,624 sq.yd. Chickasha Rd., S.A.P. 322, Grady Co., $31,104 e.e. $32,000 and vertical fibre brick surfacing 29,587 sq.yd. Edmond Rd., F.A.P. 137-H, Oklahoma Co. $106,337 e.e. $125,000; to Hyde Constr. Co., Amer. Bank Bldg., Enid, concrete surfacing 24,343 sq.yd. Pond Creek Rd., F.A.P. 148-E, Grant Co., $54,516 e.e. $60,000, 12,629 sq.yd. Tonkawa Rd., S.A.P. 280, Kay Co., $29,299 e.e. $32,000, 29,219 sq.yd. same road, F.A.P. 140-F, $67,169 e.e. $70,000, and grading 4.925 mi. S.A.P. 197-A and B, Grant Co., 18 ft., $25,454 e.e. $28,000; to Garrett & Mills, 1432 West Main St., Oklahoma City, concrete surfacing 22,255 sq.yd. F.A.P. 208-B, $74,000 e.e. $80,000, and 27,338 sq.yd. F.A.P. 208-C, $75,256 e.e. $82,000, both Grady Co., to Gibson & Mitchell, Pauls Valley, 33,304 sq.yd. Wetumka Rd., F.A.P. 188-A, Hughes Co., $74,022 e.e. $80,000, to Park & Moran, 210 South Seminole St., Okmulgee, 36,960 sq.yd. Morris Rd., F.A.P. 139-A, $80,573 e.e. $85,000, and 36,960 sq.yd. Okmulgee Rd., S.A.P. 318, $85,038, e.e. $90,000, both Okmulgee Co., to Maxwell & Meade, Nebraska Bldg., Tulsa, 41,423 sq.yd. Claremore Rd., F.A.P. 183-A, Rogers Co., $83,934 e.e. $90,000, and 47,369 sq.yd. same road, Sect. B, $96,084 e.e. $100,000, to Standard Paving Co., 1742 East 6th St., Tulsa, 16,437 sq.yd. Catoosa Rd., S.A.P. 320, Payne Co., $23,164 e.e. $25,000; to Schultz & Schultz, Anthony, Kan., grading and concrete surfacing 10,960 sq.yd. Alva Rd., S.A.P. 298, Woods Co., $28,312 e.e. 230,000, to G. P. Carr, Shawnee, 51,051 sq.yd. Shawee Rd., F.A.P. 222-B, Pottawatomie Co., $127,805 e.e. $135,000, and 31,509 sq.yd. same road, Sect. A, $98,464 e.e. $115,000, and to B. F. Flynn, Newkirk, 13,567 sq.yd. S.A.P. 321, Oklahoma Co., $22,209 e.e. $25,000, to T. C. Ottinger, Minton, grading, etc. 14,976 mi. F.A.P. 212-A, B and C, Beckam Co., $55,130 e.e. $65,00, to Short & Abel, Madill, 4.264 mi. F.A.P. 203-B, Caddo Co., $21,787 e.e. $25,000, to D. T. Allen, Continental Bldg., Oklahoma City, 5.272 mi. Calvin-Stewart Rd., F.A.P. 182-C, Hughes Co., $33,630 e.e. $35,000, and 5.405 mi. same road, Sect. B, $28,101 e.e. $32,500, to J. A. Maxwell, 3004 South Clegern St., Oklahoma City, 7 mi. F.A.P. 165-A, Kay Co. $22,000 e.e. $25,000, and 7.693 mi. same road, Sect. B, $22,936 e.e. $25,000, to S. Sweeney, Enid, 6.153 mi. Dover Rd., F.A.P. 124-H and I, Kingfisher Co., $19,064 e.e. $25,000, to J. Taylor, Marietta, 5 mi. F.A.P. 142-B, Love Co., $26,620 e.e. $30,000, to J. Fields, Dennison, Tex., 9.445 mi. Marietta Rd., F.A.P. 142-A and B, $23,228 e.e. $25,000, and 6.01 mi. F.A.P. 141-C, $23,258 e.e. $25,000, both Love Co., to Tibbets & Pleasant, 209 North Nogales St., Tulsa, 3.776 mi. Pawhuska Rd., F.A.P. 152-B, Osage Co., $24,851 e.e. $25,000, to T. Collins, Shawnee, 1.586 mi. Oilton Rd., S.A.P. 387, Payne Co., $21,348 e.e. $25,000, to M. A. Swatek, 519 West Main St., Oklahoma City, 6 mi. F.A.P. 211-A and B, $24,106 e.e. $25,000, and 7.866 mi. same road, Sects. C, F and G, $28,495 e.e. $28,500, both Pottawatomie Co., to O. T. Pharoah, Okemah, 2.526 mi. F.A.P. 187-B, Stephens Co., $29,804 e.e. $32,000, and to G. Kerr, Clinton, 5.805 mi. F.A.P. 226-C Washita Co., $28,736 e.e. $30,000, all foregoing 30 ft. Grand total $1,845,875. Noted June 24.

Okla., Shidler—For 6 in. concrete paving various streets, to T. Gudgel, Stillwater, $34,999.

Idaho—Commissioners Pub. Wks., Sandpoint, impoving Federal Aid Project 95-D, Clarks Highway, Bonner Co. and constructing steel bridge and approaches over Pond d'Oreillo River near Newport, Wash., to S. Boudrye, Lewiston, $198,900.

Idaho—State Hy. Comn., Boise City, crushed rock surfacing, etc. 15.18 mi. Nez Perce Highway, State Aid Project 102, Lewis Co., to Payne & Doust, Spokane, Wash. $60,108.

Wash., Chehalis—Comrs. Lewis Co., crushed rock surfacing, etc. 6.5 mi. Winlock Napavine Highway, Permanent Highway 15, to Graham Bros. & Medley, Chehalis, $36,549. Engrs. est. $40,000.

Wash., Yakima—City Commissioners, 2 in. black top on 4 in. crushed rock paving North 6th St. et al, to Fakima Paving Co., Yakima, $25,000.

Ore., Portland—Multnomah Co. improving Bear Creek-Bull Run Water Work Dam Rd., to J. F. Shea Co., Henry Bldg. $139,154.

California—State Hy. Dept., Sacramento, grading, crushed gravel, stone or decomposed granite surfacing 6.5 mi. roadway between Brawley and Westmoreland, Imperial Co., to F. C. Peyton, Norwalk, $93,641. Engrs. est. $104,838. Noted June 24.

Constr. News page 46

BRIDGE—TENNESSEE

Bids were opened by State Highway Department, Nashville, for constructing bridge on road between Arlington and Fayette Co. Line, Shelby County, (A) W. H. Shons Co., Freeport, Ill. (awarded contract); (B) Peterson & Ernhard, Montgomery, Ala.; (C) Gould Contracting Co., Nashville, Tenn.; (D) Montgomery & Parker, Rockport, Ind.; (E) D. M. Sparkman & Co., Dyersburg. The unit bids are as follows:

	A	B	C	D	E
692 cu.yd. excavation, dry	$3.00	$3.00	$1.00	$3.00	$1.00
894 cu.yd. excavation, wet	3.00	4.00	7.00	3.50	3.00
118.42 cu.yd. special concrete	40.00	30.00	38.00	40.00	45.00
1,590.78 cu.yd. class "A" concrete	20.00	20.00	22.50	22.00	26.00
286.46 cu.yd. class "B" concrete	20.00	20.00	21.50	22.00	26.00
253,629 lb. deformed steel bars	.05	.05	.05	.05	.06
66 cu.yd. riprap	8.00	6.00	6.00	5.00	6.00
4,904 lin.ft. timber piles, untreated	.40	1.00	.45	.25	.25
4,638 lin.ft. penetration of timber piles	.35	.25	.55	.75	.25
4,382 lin.ft. concrete piles, type "A"	2.20	3.00	2.25	3.00	2.50
3,566 lin.ft. penetration of concrete piles	1.50	.80	1.25	1.00	2.00
64,648 lb. fabricated structural steel	.06⅝	.07	.07	.07½	.08½
1,312 lb. steel castings	.15	.20	.15	.18	.12
4,382 lin.ft. concrete piles, type "B" (alt.)	2.50	.....	2.25	3.50	2.25
Extended totals using type "A" concrete piles	$83,287	$86,677	$90,276	$90,754	$104,021
Extended totals using type "B" concrete piles	84,602	.....	90,276	92,945	102,925

Calif., Hayward—Grading, curbing, guttering and ½ in. Warrenite-bitullthic on 3 in. asphaltic paving A St., to Jones & King, Hayward, $23,760. Noted May 13.

Calif., Los Angeles—To C. T. Salata, 4551 East 6th St., improving portion of Ganahl St., grading, $3,700, 6 in. concrete paving, $0.195 per ft. etc., total $26,079. Noted July 1.

Calif., Los Angeles—Bd. Pub. Wks., grading and concrete paving, etc., Manchester Ave. between Central Ave. and Main Sts., to W. Liddington, 420 East 6th St., $43,370; also Hoover St. between Marathon and Temple Sts., to Los Angeles Paving Co., 2900 Santa Fe Ave., $25,540. Noted May 6 and July 1.

Calif., Los Angeles—Supervs. Los Angeles Co., to A. R. McGrath, Glendale, improving Washington St. and Woodruff Ave., 30,263 cu.yd. earth excav. at $0.35 per cu.yd., 76,349 sq.ft. 8 in. concrete paving $0.224, 59,286 sq. ft. 6- to 8-in. concrete paving $0.179, etc., total $169,950; also to N. C. Hove & Son, 819 Park Ave., South Pasadena, improving Los Angeles Ave., Co. Impvt. 399, $32,975. Noted June 10.

Calif., Los Angeles—To Griffith Co., Railway Bldg., improving Ave. 48, grading, $4,700, 86,217 sq.ft. 5 in. concrete paving, $0.175 per sq.ft. etc., total $46,152.

Calif., Oakland—City Council, E. K. Sturgis, clk., to Warren Constr. Co., 1305 28th St., improving Grand Ave. between Euclid and Mandana Sts.; 197,996 sq.ft. grading at $0.78 per sq.ft., 4,947 ft. concrete curbing with steel guard $1.30, 5,493 sq. ft. concrete guttering $0.31, 192,503 sq.ft. 2-in. warrenite bitullthic on 6-in. concrete paving $0.309, etc., total approximately $86,550; to Central Constr. Co., Oakland Bank Bldg., improving 80th Ave. between Olive and Ritchie Sts., 54,126 sq.ft. grading $0.04, 1,721 lin.ft. concrete curbing $0.70, 3,690 sq.ft. guttering $0.26, 29,333 sq.ft. macadam paving $0.145, 9,932 sq.ft. cement walks $0.175, etc.; to Hutchinson Co., Hutchinson Bldg., improving Magee Ave. between Harbor View and Hopkins St., 35,209 sq.ft. grading $0.05, 35,209 sq.ft. concrete curbing $0.79, 35,279 sq.ft. concrete paving $0.23, etc. Noted June 17.

Calif., Redwood—To N. M. Ball, Porterville, improving Woodworth Ave., etc., 11,400 cu.yd. grading at $0.50 per cu.yd., 277,200 sq.ft. 5 in. concrete paving $0.17, and 95,385 sq.ft. cement walks $0.155, etc., total approximately $75,373.

Calif., San Rafael—Supervs. Marin Co., grading, etc., Manor to Pt. Reyes Rd., to Cuffe & White, Masonic Bldg., $66,500. Noted July 1.

Ont., Hamilton—City will pave with asphalt Wallace Ave., Dundurn, and King Sts., $109,000, and with concrete Beach Rd., $58,000, by day labor, under supervision W. L. McFaul, engr., City Hall.

Ont., Sarnia—Concrete paving and resurfacing portio nasphalt pavement on Christina St., to Merlo, Merlo & Ray, Ford City, Engrs. est. $40,000.

Buildings—Commercial

Proposed Work

Mass., Cambridge (Boston P. O.)—BANK and OFFICE—Central Trust Co., W. C. Davis, pres., 599 Massachusetts Ave., having revised plans prepared by Monks & Johnson, 99 Chauncy St., Boston, 6 story and basement, 90 x 100 ft., brick and stone, 513 Massachusetts Ave. $500,000.

Mass., Hyannis—CLUB—Oyster Harbors, Inc., c/o C. M. Baker, archt., 25 Arch St., Boston, having sketches made 2 story, brick, Oyster Harbor. $150,000.

Mass., Jamaica Plain (br. Boston)—STORE and OFFICE—A. Luff & Sons, 60 Glen Rd., plans 2 or 3 story and basement, brick, Green and Lamartine Sts. $200,000. Engineer and architect not selected.

Mass., Lowell—STORE—A. G. Pollard Co., Mansur St., having sketches made by J. W. Beal Sons Co., 185 Devonshire St., Boston, 3 story and basement, brick, Merrimack, Middle and Palmer Sts. $150,000 or more.

Mass., Norwood—THEATRE—T. Hayden, 10 Central St., soon lets contract, brick, granite and steel theatre. $150,000. W. G. Upham, Bigelow Bldg., archt.

Mass., Springfield—MEMORIAL—Connecticut Valley Historical Society, c/o M. H. Westhoff, archt., 293 Bridge St., having preliminary plans prepared 2 story and basement, brick and stone, Main St. $150,000.

Mass., Woburn—BANK—Woburn Co-Operative Bank, c/o A. E. Gage, plans 2 story and basement, brick and stone bank building. $150,000. Engineer and architect not selected.

R. I., Westerly—OFFICE—South County Pub. Serv. Co., c/o Jackson, Robertson & Adams, archts., 1216 Turks Head Bldg., Providence, soon lets contract, 3 story, brick and steel office building, here. $150.000.

Conn., Hartford—COURT HOUSE—Hartford Co. Building Com., S. H. Graham, secy., having plans prepared by Smith & Bassette, Hartford, assisted by P. P. Cret, 112 South 16th St., Phila., Pa., 2 story, 182 x 282 ft. court house, Washington and Lafayette Sts. $1,338,000. Noted May 13.

N. Y., Albany—MASONIC—J. B. Badgley, chn. Building Com. Masonic Assns, c/o Boulevard Dairy Co., Inc., 231 3rd Ave., having plans prepared by G. D. Mason & Co., 508 Griswold St., Detroit, Mich., masonic temple at Eagle and State Sts. $3,000,000. Noted Feb. 12, 1925.

N. Y., Brooklyn—MASONIC—Menora Masonic Temple, S. Michaels, in charge, c/o H. Tausig, engr. and archt., 250 Park Ave., New York City, soon takes bids, brick, steel and stone, plain foundation, 14th Ave. $400,000.

N. Y., Brooklyn—THEATRE—Universal Pictures Corp., C. Laemmle, 57th St., New York City, plans brick, steel and stone, plain foundation, New Utrecht Ave. and 46th St. $1,000,000. Engineer and architect not selected.

N. Y., Flushing—HOSPITAL—Flushing Hospital having sketches made by York & Sawyer, engrs. and archts., 100 East 42nd St., New York City, brick, steel and stone addition, plain foundation, Franconia Ave. $500,000.

N. Y., Kingston—THEATRE and STORE—Kingston Theatre Co., D. P. Hall, engr. and archt., 405 Lexington Ave., New York City, soon takes bids brick, steel and stone, plain foundation, Broadway, $200,000.

N. Y., Long Beach—MASONIC—Long Beach Lodge F. and A. M., M. A. Vogel, having plans prepared by Sugarman & Berger, engrs. and archts., 345 Madison Ave., New York City, brick, steel and stone, plain foundation Walnut St. $175,000.

Buildings—Commercial (Continued)

N. Y., New York — APARTMENT — Owner, c/o I. S. Crausman, engr. and archt., 370 East 149th St., having plans prepared 6 story, brick, steel and stone, plain foundation, Vyse Ave. $300,000.

N. Y., New York—APARTMENT—Gordon & Verber, c/o Glick & Dumas, engrs. and archts., 375 East Fordham Rd., having plans prepared, 6 story, brick, steel and stone, plain foundation, Townsend Ave., $500,000.

N. Y., New York—HOTEL—Salvation Army, 120 West 14th St., M. Butts, in charge, plans 8 story, brick, steel and stone, plain foundation West 14th St., $500,000. Engineer and architect not selected.

N. Y., New York—OFFICE—Malpac Holding Co., c/o G. G. Miller, engr. and archt., 1482 Bway., having plans prepared, brick, steel and stone, plain foundation, Arthur Ave., $1,000,000.

N. Y., New York—OFFICE—L. Adler, 557 7th Ave., having plans prepared by Buchman & Kahn, engrs. and archts., 49 West 45th St., 12 story, brick, steel and stone, plain foundation, Canal, Varick, Hudson and Watts Sts., $6,000,000.

N. Y., Ossining—OFFICE—Standard Oil Co. of New York, 26 Bway., New York City, having plans prepared 5 story, brick, steel and stone, plain foundation, Depot Sq., here. $500,000. Private plans.

N. J., Califon — SANATORIUM — Rest Haven, Inc., H. Young, pres., 786 Broad St., Newark, plans sanatorium, here. $750,000. Engineer and architect not selected.

N. J., Newark — CITY HALL — Dept. Parks & Public Property, C. P. Gillen, City Hall, soon takes bids 12 story, 80 x 225 ft., brick, steel and stone addition, plain foundation, Broad St. $2,500,000. Sprague & Slocum, 12 East 42nd St., New York City, engrs. F. Grad, 1023 Broad St., archt.

N. J., Newark—HOME—Workmens Circle Labor Lyceum, H. Leen, chn. Building Comn., 42 Rankin St., having plans prepared by L. P. Greenburg, engr. and archt., 156 Market St., 3 story, brick, steel and stone, plain foundation, Belmont Ave. $175,000.

Pa., Allentown — STORE — H. Holmes, archt., 2003 Palmer Park Bldg., Detroit, Mich., soon lets contract, 2 story and basement, 63x110 ft., rein.-con., brick and steel, plain foundation, 809-13 Hamilton St., for S. S. Kresge, Kresge Bldg., Detroit, Mich.

Pa., Latrobe—MASONIC TEMPLE—Masonic Fraternity and Weaver & Eberson, archts., 200 West 27th St., New York City, N. Y., soon lets contract, 5 story and basement, 100x100 ft., brick and steel, here. $150,000. Noted May 20.

Pa., Phila.—GARAGE—I. T. Catharine, archt., Franklin Trust Bldg., preparing revised plans 4 story, 97 x 98 ft. garage, 924-29 Race St., for J. A. Brady, 136 South 4th St. $150,000. Former bids rejected. Noted July 1.

Pa., Phila.—GARAGE—J. Bodek, 216 Ledger Bldg., having plans prepared by M. A. Bernhardt, 721 Walnut St., 8 story and basement, 67 x 125 ft., rein.-con. and brick, plain foundation, 819-23 Walnut St. $250,000.

Pa., Phila.—OFFICE—R. B. Bencker, archt., 13th and Chestnut Sts., soon lets contract, 15 story and basement, 50x186 ft., rein.-con., brick and steel, plain foundation. 1420-22 Walnut St., for Chanceller Realty Co., c/o architect. $1,200,000. Noted June 24.

Pa., Waynesburg—HOTEL—Ft. Jackson Hotel Co., soon lets contract, 6 story and basement, 80x100 ft., brick, stone and steel hotel. $250,000. Bartholomew & Smith, Keenan Bldg., Pittsburgh, archts. Noted Mar. 11.

N. C., Hendersonville—CLUB—Country Club Estates, Inc., W. B. Drake, Raleigh, pres., plans club, $200,000, also development of 800 acres on Hendersonville-Asheville Highway, 1 mi. from here.

Fla., Daytona Beach—HOSPITAL—Bd. Comrs. Halifax Hospital Dist. at office Chamber of Commerce, soon lets contract for hospital. Wilson, Berryman & Kennedy, Columbia, S. C., archts.

La., New Orleans — OFFICE—Times-Picayune Building having plans prepared by M. H. Goldstein, Hibernia Bank Bldg., 5 story and basement, fireproof addition, Church St. between North and Poydras Sts.

La., Pontchatoula—HOTEL—Owner, c/o O. P. Mahr, archt., 202 Carondelet St., New Orleans, soon takes bids 3 story, brick, here. $150,000.

O., Cleveland — APARTMENT — F. Johnnes, 3300 East 121st St., having plans prepared by M. Altschuld, 5116 Woodland Ave., 3 story and basement, brick, East 87th St. $150,000.

O., Cleveland — COMMERCIAL, THEATRE and GYMNASIUM—Sokel Tyrs (Fraternal Order), M. Seebeck, 3590 East 131st St., soon lets contract, 3 story and basement, 70x220 ft., brick, steel and concrete, East 131st St. and Melzer Ave. $150,000. F. J. Hronek, 3443 East 110th St., archt.

O., Cleveland—OFFICE and SERVICE STATION—Cleveland Railway Co., W. Wilson, secy-treas., Hanna Bldg., having preliminary plans prepared by D. W. Morrow, 4500 Euclid Ave., 1 story, brick, steel and concrete, Windemere Car Yards. $150,000.

Mich., Detroit—OFFICE—J. B. Book, Jr., Book Bldg., had plans prepared by L. Kamper, Kamper Bldg., Cass Ave., 81 story with 4 story basement under ground, 120 x 225 ft., rein.-con., brick, steel and granite, Washington Blvd.

Mich., East Lansing — THEATER and OFFICE—East Lansing State Bank, having plans prepared by Bowd & Munson, 3 story and basement, 150 x 165 ft., rein-con., brick, steel and terra cotta, plain foundation, Grand River Ave., $390,000.

Ill., Chicago—APARTMENT—Syndicate, c/o H. K. Holsman, archt., 307 North Michigan Ave., having plans prepared, 15 story, 110 x 125 ft., East 67th St. and Crandon Ave. $800,000.

Ill., Chicago — APARTMENT — Oman & Lilienthal, archts., prepared plans and soon take bids 17 story and basement, 57 x 120 ft., brick, stone and tile, 2132-34 Lincoln Park West, for Syndicate, c/o architects. $1,300,000. Noted Apr. 1.

Ill., Chicago—COURT HOUSE— City had plans prepared by J. H. Mrazek, City Hall, 13 story and basement, 120 x 140 ft., rein.-con., brick and stone, 1121-1131 South State St. $2,500,000.

Ill., Chicago—HALL, HOTEL, STORES, etc.—Chinese Merchants Assn., c/o Michaelson & Rognstad, archts., had plans prepared and takes bids about Sept. 1, 3 story and basement, 100 x 100 ft., rein.-con. and brick, Wentworth Ave. and 22nd St. $250,000.

Ill., Chicago — HOTEL—Koengsberg & Weisgeld, archts., 155 North Clark St., takes bids about July 16, 8 story and basement, 62 x 135 ft., rein.-con., brick and terra cotta, 5441 Kenmore Ave., for S. Brin, 5053 Kenmore Ave., $400,000. Noted May 27.

Ill., Chicago—OFFICE—O. J. Friedman, 10 South La Salle St., plans 23 or 24 story, 60 x 140 ft. office building, North Michigan Ave. and Wacker Dr. Engineer and architect not selected.

Wis., La Crosse—HOSPITAL—La Crosse Lutheran Hospital, 1910 South Front St., having plans prepared by Merman & Skogstad, Linker Bldg., 4 story and basement, 40 x 100 ft., brick and concrete addition, plain foundation. $150,000.

Wis., Milwaukee—THEATRE and BUSINESS—Muskego Ave. Advancement Assn., c/o L. F. Dietz, pres., 834 Muskego Ave., having preliminary plans prepared by R. B. Williamson, 405 Bway., 2 story and basement, rein.-con., terra cotta and brick, plain foundation, Muskego Ave. $400,000.

Wis., Waupun—CITY HALL—City, R. Zimmerman, clk., having plans prepared by Auler & Jensen, F.R.A. Bldg., Oshkosh, 3 story and basement, brick, stone and concrete, plain foundation. $150,000.

Minn., St. Paul—HOTEL—Union Gospel Mission, P. McFarlane, supt., 235 East 7th St., having plans prepared 4 story and basement, rein.-con. and brick, 8th and Wacouta Sts. $165,000. Engineer and architect not announced.

Kan., Winfield — BANK — Schmidt, Boucher & Overend, archts., 4th Nat. Bank Bldg., Wichita, soon lets contract, remodeling and 5 story and part basement, 50x70 ft. and 25x70 ft., rein.-con., brick and terra cotta addition, plain foundation, for Winfield State Bank. $150,000. Noted Apr. 9.

Neb., Wilbur—COURT HOUSE—Saline Co. voted $175,000 bonds, court house. Noted June 24.

Mo., Independence—HOTEL—G. S. Jackson Co. (organizing), c/o Klingonsmith, Rice & Wilkins, archts., Arcade Bldg., St. Louis, having plans prepared and takes bids about July 15, 5 story and basement, 100 x 165 ft., rein.-con. and steel, here. $250,000.

Mo., Kansas City—APARTMENT HOTEL—G. Williams, c/o Peoples Trust Co., having plans prepared by N. E. Peters, 1006 Orear Leslie Bldg., 2 story and basement, 118 x 145 ft., brick, 604 West 10th St. $150,000.

Mo., St. Louis—APARTMENT—N. M. Freund, 3314 Russell Ave., having preliminary plans prepared by Wedemeyer & Nelson, Wainright Bldg., 4 story and basement, 96 x 213 ft., rein.-con. brick, stone and terra cotta, 3316 Russell Ave. $200,000.

Mo., St. Louis—APARTMENT—W. E. Harral, 5920 Julian Ave., purchased site and plans 6 story and basement, 85 x 100 ft., rein.-con., brick, stone and terra cotta, Delmar Ave. near Belt Ave. $500,000.

Tex., Dallas—BATH HOUSE—Park Bd. plans memorial hospital and mineral water bath house, Maple Ave., Reversbon Park, Maple Ave. $1,000,000 donated. Engineer and architect not selected.

Tex., Dallas—CONSTRUCTION INDUSTRIES—F. N. Watson, Santa Fe Bldg., having plans prepared remodeling old cotton exchange into construction industries building and constructing 1 story, rein.-con. addition, etc., South Arkard St. $150,000. Engineer and architect not announced.

Tex., Galveston—HOTEL—J. H. Langben, 410 Guaranty Bldg., and S. Moody & associates, 2028 Ave. D, making preliminary plans 7-10 story and basement, rein.-con., brick and terra cotta, plain foundation, Ave. P and 21st St. $500,000. Engineer and architect selected soon.

Tex., San Antonio—HOTEL—Singleton & Wallace, Houston, c/o P. G. Silber & Co., archts., 332 Bedell Bldg., having plans prepared Bluebonnet Hotel, 9 story. $300,000-$500,000.

Tex., San Antonio—OFFICE—F. Cross and associates, c/o Cross Natl. Bank, having plans prepared by H. T. Phelps, c/o Hicks Bldg., 12 story and basement, rein.-con., brick and tile, plain foundation, Commerce and Navarro Sts. $500,000.

Tex., San Benito—HOTEL—San Benito Hotel Co., c/o E. Downs, chn., takes bids after July 12, 4 story, part basement, rein.-con., brick and tile, plain foundation. $175,000. H. P. Smith, c/o Natl. Bank of Commerce Bldg., San Antonio, archt. Noted Apr. 22.

Tex., Sweetwater—CITY HALL—Voted $160,000 bonds, 3 story, rein.-con., brick and stone city hall. Address M. L. Trammel, city secy. Noted June 17.

Nev., Reno—OFFICE—F. J. De Longchamps, archt., Gazette Bldg., prepared plans 6 story, steel, terra cotta and concrete office building. $350,000 or more. T. Ronneberg, Crocker Bldg., San Francisco Bldg., San Francisco, Calif., engr. Owner's name withheld.

Wash., Seattle — OFFICE — Municipal Light Dept., J. D. Ross, supt., having plans prepared by Glenn Smith, ch. engr., 10 story office building incl. sub-station, 3rd Ave. and Spring St., $1,000,000.

Ore., Portland — APARTMENT and GARAGE—W. J. Maxwell, Ry. Exch. Bldg., having plans prepared by I. T. Wolfe, Ry. Exch. Bldg., 6 story, 94 x 150 ft. apartment and 2 story, 60 x 100 ft. storage garage, Irvington Dist. $450,000.

Ore., Portland—APARTMENT — S. S. Mishkind, Chamber of Commerce Bldg., having plans prepared by Lucius & Cash, Lewis Bldg., 4 story, 100 x 120 ft., rein.-con. and brick, 22nd and Everett Sts. $350,000.

Calif., Los Angeles—APARTMENT—C. S. Arganbright, 1414 Hi Point St., having plans prepared by F. Webster, 922 Hollywood Guarantee Bldg., 5 story, 55 x 150 ft., steel, Flower St. between 3rd and 4th Sts. $185,000.

Calif., Los Angeles—GARAGE—F. C. Hill, c/o K. Macdonald, Jr., archt., Brack-Shops Bldg., having preliminary plans prepared 13 story and basement, rein.-con., Spring St. $500,000 or more.

Calif., Los Angeles—HOTEL—A. S. McPherson, Angelus Temple, plans 8 or more story hotel, Elysian Park. To exceed $250,000.

Calif., Los Angeles—LODGE — West Adams Masonic Lodge 565, H. M. Buchanan, chmn. building com., 5133 West Adams S., plans 3 or more story, probably brick, West Adams St. $150,000.

Calif., Los Angeles—STORE and OFFICE—F. Harpstrite, 419 Bway., had plans prepared by L. L. Smith, City Club Bldg., 13 story and basement, South Olive St. $500,000.

Calif., Los Angeles—WAREHOUSE—Pa-Capitol Co., 550 Montgomery St., San Francisco, purchased site and plans store and office, 14th St. and Bway., here. To exceed $500,000.

Calif., Oakland—STORE and OFFICE—cific Housewares Co., c/o Ashley & Evers, having plans prepared, 3 story and base- archts., 525 Market St., San Francisco, ment, rein.-con., Factory Pl. $150,000.

Constr. News page 47

Buildings—Commercial (Continued)

Calif., Palo Alto—THEATRE — C. H. Strub, c/o Miller & Pflueger, archts., 580 Market St., San Francisco, having plans prepared, fireproof, South University Ave. $150,000.

Calif., Sacramento—Y. W. C. A. having plans prepared by Dean & Dean, State Life Bldg., 80 x 160 ft. with 40 ft. L., fireproof, 17th and L Sts. $200,000. Noted Mar. 18.

Calif., San Francisco—APARTMENT—M. Henderson, c/o J. C. Hladik, archt., Monadnock Bldg., having plans prepared 14 story and basement, rein.-con. Clay St. near Powell St. $200,000 or more.

Calif., San Francisco—HOTEL—Kiernan & O'Brien, Alexander Bldg., having plans prepared by A. Larson, 447 Sutter St., 6 story and basement, steel and brick, Bush St. near Jones St. $200,000.

Bids Desired

Me., Skowhegan — TEMPLE — Masonic Bldg. Assn., taking bids, 3 story and basement, 50 x 100 ft., brick and cast stone, Masonic Temple, Main St., $150,000 or more. Miller, Mayo & Beal, Fidelity Bldg., Portland, archts.

Mass., Boston—HEALTH UNIT—July 29, by City, G. R. White Fund, Hospital Dept., Harrison Ave., 3 story and basement, 55 x 85 ft., brick and granite, Health Unit 3, Dorchester St. between Gold and West 4th Sts. $250,000. Coolidge, Shepley, Bullfinch & Abbott, Ames Bldg., archts. Noted Dec. 10.

Mass., Brighton (Boston P. O.)—APARTMENT—See "Contracts Awarded."

Mass., Everett (br. Boston)—BANK—Everett Natl. Bank, 453 Bway., taking bids 2 story and basement, rein.-con., brick and steel, plain foundation, Bway. and Cottage St. To exceed $150,000. Hutchins & French, 11 Beacon St., Boston, archts. Noted Apr. 29.

Mass., Fitchburgh—STORE and OFFICE—H. I. Cook, 410 Main St., taking bids 3 story and basement, brick and steel, Main St. $150,000. H. A. Foster, 15 Oliver St., archt.

Mass., New Bedford—STORE and OFFICE—M. T. Hudner, 674 Highland Ave., Fall River, taking bids 2 story and basement, brick and stone, Acushnet Ave. and Union St. $150,000. Brown & Poole, 688 Pleasant St., archts.

Mass., Norwood—THEATRE—T. Hayden, 10 Central St., taking bids 1 story and basement, 62 x 144 ft., brick, stone and granite theatre. $150,000. W. G. Upham, Bigelow Blk., archt. Noted June 17.

R. I., Providence—STORE and OFFICE—Westminster Investment Co., c/o G. F. Hall, archt., Union Trust Bldg., taking bids 2 story and basement, brick and stone, Westminster St. $150,000.

N. Y., Jamestown—July 21, by Y. M. C. A. 211 Lakeview Ave., F. F. Hall, chn. bldg. comm., 4 story, brick, steel and stone, East 4th and Pine Sts. $400,000. J. F. Jackson, 137 East 45th St., New York City, engr. and archt. Noted Apr. 15.

N. Y., New York—APARTMENT—See "Contracts Awarded."

Pa., Canadensis—HOTEL—See "Contracts Awarded."

O., Cleveland — HOTEL — Stotter Griswold Bldg., c/o S. H. White, archt., 1032 Schofield Bldg., taking bids 5 story and basement, brick, steel and concrete addition, 3844 Euclid Ave. $300,000.

O., Hamilton—HOTEL—Aug. 3, by R. S. Radcliffe, chn. building com. Chamber of Commerce, 8 story and basement, brick, steel and concrete hotel. $300,000. G. B. Post & Son, 101 Park Ave., New York City, N. Y., archts.

Ind., Gary — HOTEL — See "Contracts Awarded."

Ind., Hammond—HOTEL—P. Schneider, 1654 Clifton Park, Chicago, Ill., taking bids "Hotel Savoy," brick, steel and rein.-con. $150,000. G. Lovedalle, 25 North Dearborn St., Chicago, Ill., archt.

Ill., Chicago—APARTMENT—Lake View Ave. Building Corp., S. E. Mittleman, pres., 11 South La Salle St., taking bids 18 story and basement, 85 x 200 ft., rein.-con., brick and terra cotta, 2432-42 Lake View Ave. $2,500,000. Rissman & Hirschfield, 64 West Randolph St., archts.

Ill., Chicago—APARTMENT—Oldefest & Williams, archts., 605 North Michigan Ave., taking bids 16 story and basement, 50x95 ft., rein.-con., brik and terra cotta, 211 East Delaware Pl., for A. W. Sommers, 195 East Chestnut St. $750,000. Noted June 3.

Ill., Chicago—POLICE STATION—See "Unclassified."

Constr. News page 48

Ill., Kankakee—THEATRE, STORE, OFFICE and APARTMENT—Kankakee Building Corp., c/o J. J. Redding & Co., general contractor, 10 North Clark St., taking bids on superstructure and sub-contract 3 story and basement, 150x150 ft., rein.-con., brick, steel and terra cotta, Dearborn Ave. and Merchant St. Archts. est. $750,000. Noted Apr. 10.

Ia., Des Moines—OFFICE AND WAREHOUSE—International Harvester Co. of America, 606 South Michigan Ave., taking bids 5 story and basement, 90x150 ft., rein.-con., plain foundation, Court and East 7th St. W. D. Price and T. Price, c/o owners, archts. Noted June 3.

Minn., Duluth—CITY HALL—Nov. 15, by A. H. Davenport, city clk., 5 story and basement, 163x176 ft., rein.-con., stone, tile, 1st St. and 4th Ave., West, for City. $750,000. T. J. Shefchik, 313 Glenacre Bldg., engr. and archt.

Mo., Kansas City — THEATRE — See "Contracts Awarded."

Calif., Alhambra—STORE and OFFICE—Walker & Eisen, archts., Great Republic Bldg., Los Angeles, taking bids 4 story, brick and steel, 3rd and Main Sts., here, for W. P. Temple. $175,000. Noted July 8.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Los Angeles—HOTEL-APARTMENT—See "Contracts Awarded."

Calif., Richmond—WAREHOUSE—J. J. Donovan, archt., Tapscott Bldg., Oakland, taking bids 2 story, 135 x 250 ft., rein.-con. here, for Standard Sanitary Mfg. Co., 1000 Brannan St., San Francisco. To exceed $175,000.

Bids Received

Vt. Barre—ARMORY—State of Vermont, H. T. Johnson, general mgr., Montpelier, 3 story, 75 x 125 ft., rein.-con. and stone here, from Rowe Constr. Co., Woodsville, N. H. $106,316. Noted June 29.

N. J., Linden—CITY HALL—City Council, City Hall, July 7, 3 story, fireproof, Wood Ave. and Blancke St., from Bowe & Millinet, 388 Bline Ave., Union City, $248,500. Noted July 1.

N. J., Plainfield—HOSPITAL—Muhlenburg Hospital, 2nd Ave., brick, steel and stone addition, plain foundation, from J. Lowry, Inc., 270 Madison Ave., New York City. Archts. est. $500,000. Noted June 10.

Calif., Los Angeles—CITY HALL—Bd. Pub. Wks., June 30, from Weymouth-Crowell, 2104 East 15th St., labor and material to complete general contract, City Hall, $2,849,000; same as above excepting substituting granite facing for limestone below 1st floor water table, $2,853,100; same as above except substituting granite facing for all limestone, $2,875,500; same as above except substituting terra cotta facing for all limestone, $2,674,000. Noted June 17.

Calif., Los Angeles — HOSPITAL — Supervs. Los Angeles Co., fireproof osteopathic unit at hospital, from United Building & Finance Corp., 39 Congress St., Pasadena, using terra cotta tile partitions and furring $222,500, exclusive electric work and structural steel and remodeling present building $217,000.

Calif., Oakland—WAREHOUSE—Roeth & Couchot, 1404 Franklin Sts., 4 story and basement, rein.-con., 4th and Alice Sts., from Industrial Constr. Co., 818 Bryant St., San Francisco, for Carr & Creston. Approximately $165,000. Noted July 8.

Contracts Awarded

Mass., Attleboro — THEATRE — Eagles Home Building Assn., Inc., 2 story and basement, 130 x 190 ft., brick, terra cotta and steel, Bank St., to M. and D. Constr. Co., 44 School St., Boston. Archts. est. $175,000. Noted May 20.

Mass., Brighton (Boston P. O.) — APARTMENT—H. K. Goldstein, 321 Summit Ave., will build (2 units) 3 story and basement, brick and stone, Mount Hood Rd. $165,000. Work will be done by separate contracts. Winebaum & Wexler, 73 Cornhill, Boston, archts.

Mass., Holyoke—BANK—Hadley Falls Trust Co., 369 High St., bank, Suffolk and Maple Sts., to Casper Ranger Constr. Co., 20 Bond St. Archts. est. $250,000.

Mass., Lawrence — STORE and WAREHOUSE—G. S. Fuller, 50 East Haverhill St., 3 story, rein.-con. and brick, Common and Jackson Sts., to E. F. Jones, 55 Winthrop Ave. Archts. est. $150,000.

Mass., Pittsfield — STORE — England Bros., North St., brick and steel additions, North St., to J. R. Hampson & Co., Inc., 184 North St. Archts. est. $150,000. Noted Mar. 18.

Conn., Hartford — CLUB — University Club, J. W. Thurston, pres., 2 story, brick and stone, Lewis St., to A. F. Peaslee, 6 Lewis St. Archts. est. $200,000. Noted Apr. 29.

Conn., New Haven—OFFICE—Southern New England Telephone Co., 126 Court St., 12 story, 40 x 50 ft., and 40 x 120 ft., brick and steel, Court St., to Dwight Building Co., 67 Church St. Archts. est. $500,000. Noted Apr. 15.

N. Y., Hawthorne—HOSPITAL—Rosary Hill Home. Mother Alphonsa in charge, brick, steel and stone, plain foundation, to E. J. Walsh, Maple Ave., Peekskill. Archts. est. $400,000.

N. Y., New York—APARTMENT—M. E. Paterno corp., 100 East 42nd St. will build 13 story, brick, steel and stone, plain foundation, Park Ave. and 72nd St., $2,000,000. Work will be done by separate contracts.

N. Y., New York—APARTMENT—Landale Constr. Co., c/o Turner & Bowden, engrs. and archts., 15 East 40th St., will build 6 story, 100 x 180 ft., brick, steel and stone, plain foundation, East 260th St., by day labor. $700,000.

N. Y., New York—BANK—Central Savings Bank, 100 East 14th St., H. Gillis, pres., 4 story, brick, steel and stone, plain foundation, Bway. and Amsterdam Ave., at 73rd St., to M. Edlitz & Sons, 49 East 42nd St., Archts. est. $1,000,000.

N. J., Hackensack—BANK and OFFICE—Peoples Trust & Guaranty Co., 210 Main St., C. E. Blackford, pres., 8 story, brick, steel and stone, plain foundation, Main St., to Hegeman-Harris Co., 360 Madison Ave., New York City. Archts. est. approximately $350,000.

N. J., Newark—OFFICE and LOFT—T. M. Griffith, 605 Broad St., 12 story, brick, steel and stone, plain foundation, 605 Broad St., to Essex Constr. Co., 9 Hackett St. Archts. est. $850,000. Noted July 1.

Pa., Blawnox—OFFICE—Blawnox Co., 826 Farmers Bank Bldg., general contract 3 story and basement, 68x75 ft., brick, hollow tile and steel, here, to J. F. Haldeman, Whitefield Bldg., Pittsburgh. Archts. est. $150,000.

Pa., Canadensis—HOTEL—Pocono Hotel Corp., c/o Rossiter & Mullen and Foster, archt., 15 West 38th St., New York City, N. Y., will build 4 story and basement, 34x78 ft., 46x92 ft., 46x94 ft. and 51x100 ft., rein.-con., brick and steel plain foundation, here. Work will be done by separate contracts.

Pa., Pittsburgh—CLUB HOUSE—East Liberty Bowling Assn., Collins Ave., 3 story and basement, 100 x 187 ft., brick, hollow tile and steel, Collins Ave., to W. F. Trimble & Sons, 1719 Penn Ave. Archts. est. $150,000. Noted May 13.

Md., Baltimore—LODGE—C. N. and N. Friz, archts., Lexington Bldg., 5 story and basement, 81 x 150 ft., brick and steel, plain foundation, Charles and Preston Sts., to J. Hiltz & Son, 345 St. Paul Pl., for Knights of Pythias, Gay and Lexington Sts. $300,000. Noted Jan. 7.

O., Akron—GARAGE and WAREHOUSE—City, brick and concrete, Johnson and Spicer Sts., to Carmichael Constr. Co., 524 Central Savings & Trust Bldg. $174,000.

O., Cincinnati — APARTMENT — C. J. Schuh, Provident Bank, 8 story and basement, 75 x 100 ft., brick and rein.-con., plain foundation, Ludlow St., to Cincinnati Well Built Homes Co., Provident Bank, $250,000.

O., Cleveland—AUTO SALES, SERVICE and OFFICE—A. H. Tashjian and F. R. Walker, c/o Walker & Weeks, archts., 1900 Euclid Bldg., 2 story and basement, 73 x 376 ft., brick, steel and concrete, 2408 Prospect Ave., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg. Archts. est. $400,000. Noted June 17.

O., Cleveland—BANK—Union Trust Co., G. D. McGwinn, vice-pres., Union Trust Bldg., 1 story and basement, 87 x 137 ft., brick, steel, concrete and stone, East 101st St. and Euclid Ave., to G. A. Rutherford Co., 2725 Prospect Ave. Archts. est. $150,000. Noted June 17.

O., Cleveland — COMMERCIAL and THEATRE—Walnut Realty Co., c/o S. H. White, archt., 1032 Schofield Bldg., 2 story and basement, 134 x 298 ft., brick, steel and concrete, East 9th St. and Walnut Ave., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $400,000. Noted June 3.

O., Cleveland—LABORATORY—City, W. R. Hopkins, city mgr., 3 story, brick, steel and concrete diagnostic laboratory, Scranton Rd., to de Hamel Constr. Co., Plymouth Bldg., $125,130. Noted June 17.

O., Cleveland—WORK HOUSE—City, D. S. Blosson, dir. Pub. Welfare, City Hall, 2 story and basement, 100 x 100 ft., brick,

Buildings—Commercial (Continued)

steel and concrete, Warrensville Farm, to J. Grant & Son, 4500 Euclid Ave., $176,319. Noted July 8.

O., Lakewood (br. Cleveland) — COMMERCIAL, THEATRE and OFFICE — H. Robbins, c/o G. and R. Realty Co., Hippodrome Bldg., Cleveland, 2 story, 104 x 200 ft., brick, steel and concrete, Madison and Hilliard Rds., here, to H. Weltman, 10317 Columbia Ave. Archts. est. $400,000. Noted Feb. 11.

O., Lakewood (br. Cleveland)—STORE and APARTMENT—E. Brudno, Leader-News Bldg., Cleveland, 3 story and basement, 120 x 150 ft., brick, Madison and Mars Aves., here, to M. Shapiro, 3281 East 118th St., Cleveland. Archts. est. $200,000. Noted Feb. 11.

Ind., Hammond — BANK — State Bank, general contract 2 story and basement, 100 x 150 ft. bank, to Christenson Constr. Co., Cicero. Archts. est. $160,000.

Ind., Gary—HOTEL—Gary Hotel Building Co., 6th St. and Bway., general contract 9 story and basement, 125 x 180 ft., brick, steel and rein.-con. hotel, to M. Gerometta, Gary. Archts. est. $2,000,000. Noted June 8.

Ind., Gary—HOTEL—R. Winson, 552 Vermont St., will build 5 story and basement, 100 x 115 ft., brick, steel and rein.-con. hotel. $400,000. Work will be done by separate contracts. Private plans.

Ind., Sullivan—COURT HOUSE—Sullivan Co., general contract, brick, steel and rein.-con. court house, to W. R. Heath, Greencastle, $369,520. Noted June 3.

Ill., Berwyn — APARTMENT — W. S. Holabird, Jr., et al, 3 story and basement, 100 x 114 ft., concrete, brick and stone, 3542 Maple Ave., to City State Building Corp., 128 North Wells St., Chicago. Archts. est. $160,000.

Ill., Chicago—APARTMENT HOTEL—Devon Ave. Building Corp., c/o Oldefest & Williams, archts., masonry and concrete contract 7 and 9 story, and basement, 46½ x 135 ft., rein.-con., brick and terra cotta, 6332 Winthrop Ave., to J. Shedden & Co., 106 North La Salle St. Arcshts. est. $350,000. Noted June 24.

Ill., Chicago — APARTMENT — Koenigsberg & Weisfeld, archts., 155 North Clark St., masonry and carpentry contract 6 story and basement, 50 x 150 ft., rein.-con., brick and terra cotta, 5646-48 Kenmore Ave., to Welch Constr. Co., 841 North California Ave.; plumbing, to Marcus Weil & Sons, 5130 West Chicago Ave.; heating, to C. H. Ehrlich, 124 North Jefferson St., for S. Cherman, 4844 Drake Ave. Archts. est. $285,000.

Ill., Chicago—BANK and OFFICE—Rapp & Rapp, archts., 190 North State St., general contract 23 story and basement, 48 x 140 ft., brick, steel and stone, or terra cotta, Lake St. and North Wabash Ave., to Wells Bros. Co., 53 West Jackson Blvd., for Lake-State Bank, 196 North State St.

Ill., Chicago—GARAGE—Clapp, Riley & Hall Equipment Co., 14 North Clinton St., general contract 6 story and basement, 50 x 150 ft., rein.-con. garage, 14 North Clinton St., to Dahl-Stedman Co., 11 South La Salle St., Archts. est. $200,000. Noted July 1.

Ill., Chicago—OFFICE and STORE—E. Jackson, 608 South Dearborn St., general contract 23 story main building and 41 story tower, 141 x 204 ft., brick, stone and terra cotta, caisson foundation, Adams and South Clark Sts., to Starrett & Dilks Co., 160 North La Salle St.; steel contract, to Amer. Bridge Co., 208 South La Salle St., Archts. est. $6,100,000. Noted Apr. 22.

Ill., Chicago—OFFICE and FACTORY—S. N. Crowen, archt., 22 West Monroe St., general contract 7 story and basement, 100 x 136 ft., North Wells and Elm Sts., to Turner Constr. Co., 6 North Michigan Ave., for F. Kozelka, 515 West 26th St. Archts. est. $450,000. E. J. Paidar Co., 1214 North Wells St., lessee.

Ill., Chicago—TEMPLE — Ravenswood Masonic Club 777 A.F.&A.M., c/o S. Mac Arthur, 6 N. Michigan Ave., general contract 3 story and basement, 70 x 144 ft., Wilson Ave. and North Paulina St., to H. B. Barnard, 140 South Dearborn St. Archts. est. $300,000. Noted Dec. 3.

Ill., Chicago — Y. M. C. A., 19 South La Salle St., general contract 10 story and basement, 12 5 x 148 ft., 1800 10 West Congress St., to R. F. Wilson & Co., 1851 Elston Ave. Archts. est. $800,000.

Ill., Macomb—HOTEL—Community Hotel Corp., J. W. Bailey, treas., general contract 4 story and basement, 65 x 112 ft., and 49 x 49 ft., rein.-con., brick and stone, to C. Venettan, Macomb, $118,185. Noted June 17.

Wis., Fond du Lac—HOTEL—Hotel Wisconsin Realty Co., 86 Michigan Ave., Milwaukee, 8 story and basement, 50 x 85 ft., brick, concrete and terra cotta addition to Retlaw Hotel, plain foundation, Main St., to Immel Constr. Co., Dana Bldg., Fond du Lac. Archts. est. $300,000. Noted June 3.

Minn., Duluth—HOSPITAL—Starin & Melander, engrs. and archts., Sherwood Bldg., 2 story and basement, 86x125 ft., rein.-con. and brick, plain foundation, 56th Ave., to F. Carlsoon, Lyceum Bldg., for E. E. Webber $200,000. Noted May 6.

S. D., Aberdeen—THEATRE—Finkelstein & Ruben, 425 Loeb Arcade, Minneapolis, Minn., general contract 2 story and basement, rein.-con. and brick, here, to F. Peterson, Aberdeen. Total approximately $150,000. Noted Jan. 14.

Mo., Kansas City — GARAGE — G. F. Green, Rialto Bldg., and T. M. Murphy, 409 Sharp Bldg., will build 4 story and basement, 110 x 142 ft., rein.-con. garage, plain foundation, Wyandotte St. north of 11th St. $200,000.

Mo., Kansas City — THEATRE — E. M. Oxley, 1103 Waldheim Bldg., will build 2 story and basement, 130 x 150 ft., rein.-con., brick, stucco and tile, 55th St. and Troost Ave., by day labor. $150,000. Besecke & DeFoe, 1705 Baltimore Ave., archts.

Mo, St. Louis—ASSEMBLY HALL, etc. —Bd. Pub. Serv., 208 City Hall, general contract 1 story, 36 x 70 ft. assembly hall, 2 story and basement, 36 x 56 ft. recreation building, and 3 story, 39 x 131 ft. wings, all rein.-con., brick and stone at City Sanitarium, Arsenal St., to Hume-Deal Co., Syndicate Trust Bldg., $361,424. Noted June 3.

Nev., Reno—EXPOSITION—State Building Comn., Carson City, exposition buildings incl. electrical display equipment, etc. here, to J. L. Stuart, 160 Russ St., San Francisco, Calif. $150,000.

Wash., Seattle—STORE and OFFICE—Campion Investment Co., 208 Columbia St., 6 story and basement, concrete and steel, 5th and Pike Sts., to P. P. Gjarde, Lyon Bldg., $225,999. Archts. est. $400,000.

Calif., Los Angeles—APARTMENT—N. Graybois, 1685 West Jefferson St., 3 story and basement, 90 x 150 ft., brick, East Chestnut St., to M. Soafer, 1685 West Jefferson St., $150,000.

Calif., Los Angeles—APARTMENT-HOTEL—G. and A. Marcell, c/o L. A. Smith, archt., Film Exch. Bldg., 5 story and basement, brick and steel, to Bard Co., Pacific Natl. Bank Bldg., approximately $500,000.

Calif., La Jolla—HOTEL-APARTMENT—Wiltsie & Gordon, 3 story, rein.-con., to Scofield Eng. & Constr. Co., Pacific Finance Bldg., Los Angeles, aprroximately $150,000.

Calif., Los Angeles — HOTEL-APARTMENT—L. C. Adams, 3987 Menlo Ave., will build 4 story and basement, 85 x 150 ft., brick, West Santa Barbara Ave., by day labor and sub-contracts. $150,000.

Calif., Los Angeles—STORE and HOTEL—W. G. Mohr, 238 South Kingsley Dr., 5 story and basement, 100 x 200 ft., rein.-con., North Vermont Ave., to H. N. Dickerman, Pacific Natl. Bank Bldg., approximately $350,000.

Calif., Los Angeles — STORE and OFFICE—Post & Rosebery, c/o Morgan, Walls & Clements, archts., Van Nuys Bldg., general contract 2 story, 125 x 150 ft., brick and concrete, Berendo and Wilshire Blvd., to R. H. Heath, 457 South Western Ave., approximately $135,000.

Calif., Pasadena—HOTEL——E. Van der Hoven, archt., Black Bldg., Los Angeles, 6 story, 40 x 70 ft. rein.-con., and 4 story, 50 x 130 ft., rein.-con. and brick, here, to W. C. Crowell, 495 South Bway., for Maryland Hotel Co., Maryland Hotel. To exceed $150,000. Noted June 17.

Calif., Los Angeles—APARTMENT—J. C. Bannister, 6331 Hollywood Blvd., will build 4 story and basement, 50 x 122 ft., brick, South Mariposa St., by day labor. $150,000.

Ont., Toronto—APARTMENTS—Cawthra Apartments Ltd., 65 Adelaide St. E., general contract three 3 story and basement, 33 x 169 ft., rein.-con., brick and steel, plain foundations, College St., to Carswell Constr. Co., 57 Wellington St. E. Archts. est. $500,000. Noted July 8.

Buildings—Industrial

Proposed Work

N. H., Exeter—REPAIR and SERVICE GARAGE—D. S. Kimball, c/o Butterfield-Buerton Co., archts., 801 Beech St., Manchester, making plans 1 story, rein.-con. repair and service garage. $40,000.

Mass., Everett (Boston P. O.)—MANUFACTURING—Metropolitan Lithographic & Publishing Co., J. B. Robbins, 7 Bow St., having revised plans prepared by W. P. Hatch, 60 State St., Boston, 3 story, 60 x 125 ft., rein.-con. and brick, Bow St. $100,000.

Mass., Milton (br. Boston)—REPAIR and SERVICE GARAGE — M. Greenspan, 333 Washington St., Boston, having sketches made by Blackhall, Clapp & Whittemore, 31 West St., Boston, 1 or 2 story, rein.-con., Adams St. and Granite Ave. $100,000-$200,000.

Mass., Springfield—CANDY FACTORY—Kebbe Candy Co., 37 Harrison Ave., plans candy factory, brick, Berkshire Ave. $50,000 or more. Engineer and architect not selected.

R. I., Westerly — SERVICE — Westerly Light & Power Co., soon lets contract 3 story, 55 x 85 ft., brick, granite and steel service building. $100,000. Jackson, Robertson & Adams, 1216 Turks Head Bldg., Providence, archts.

Conn., Hartford—FACTORY—Hartford Empire Co., 347 Homestead Ave., had plans prepared by Buck & Sheldon, Inc., 60 Prospect St., 3 story, brick factory, Homestead Ave. $50,000.

Conn., New Haven—POWER HOUSE—Connecticut Co., 185 Church St., had plans prepared 1 story, 20 x 105 ft., rein.-con. brick and steel addition, Grand Ave. $45,000. Private plans.

N. Y., New York—BAKERY—New York Pie Baking Co., 82 Sullivan St., soon lets contract 3 story, rein.-con., brick and stone, plain foundation, Whitlock Ave. $250,000. C. B. Comstock, 110 West 40th St., engr. and archt. Noted July 1.

Pa., Philadelphia—BOILER HOUSE—A. C. Wood, archt., Stock Exchange Bldg., soon lets contract 1 story and basement, 48 x 54 ft., rein.-con., brick and steel, plain foundation, Roosevelt Blvd. and Asylum Pike, for Friends Hospital.

Pa., Philadelphia—CARPENTER SHOP—E. Stopper, archt., 10 South 18th St., soon lets contract 2 story and basement, 48 x 85 ft., brick and steel, plain foundation, Delaware Ave. and Howell St., for Hellwig Silk Dyeing Co., Delaware Ave. and Howell St.

Pa., Phila.—CLEANING AND DYEING S. G. Matthews, archt., 2016 West Lippincott St., soon lets contract 2 story and basement, 213 x 218 ft., rein.-con. and brick, plain foundation, 34th and Lehigh Sts., for Bornot, Inc., c/o Frazer Co., 1600 Walnut St., $400,000. Noted Apr. 22.

Pa., Phila.—COLD STORAGE—H. A. Lane, ch. engr. Baltimore & Ohio R.R. Co., Baltimore, Md., soon lets contract 8 story and basement, 98 x 216 ft. cold storage building with 1 story, 98 x 216 ft. extension and 1 story, 98 x 486 ft. private sales dept., all rein.-con. and brick, wood pile foundations, Delaware Ave. and Jackson St., for Reading Co., Reading Terminal Bldg., Phila., and Baltimore & Ohio R.R. Co., Baltimore, Md.

Pa., Phila.—PLANT—W. H. Cookman, archt., 420 West Price St., soon lets contract 2 story and basement, 30 x 60 ft., rein.-con., brick and steel addition, plain foundation, 72 and Powers Sts., for Penna Flexible Metallic Tubing Co., Broad and Race Sts.

Pa., Phila.—REPAIR SHOP—Willard Chevrolet Co., 4131 Frankford Ave., plans rein.-con, brick and steel, plain foundation. E. Schoeppe, 1437 Spruce St., archt.

Pa., Phila.—SHOPS—J. Sinsohn, archt., Broad and Girard Sts., soon lets contract 1 story, mezzanine and basement, 100 x 125 ft., rein.-con., brick and steel, plain foundation, 5th and Allegheny Sts., for Smith Drum Co., 5th and Allegheny Sts.

Miss., Heidelberg—PLANT—City State Investment Co., Bay Springs, plans electric light and waterworks plant, to connect with Stafford Springs, Vosburg and Sandersville.

La., Hammond—ICE and COLD STORAGE PLANT—Weinburger Interests, plan 50 ton daily ice manufacturing plant and cold storage warehouse between South Oak St. and Illinois Central R.R. tracks.

La., Minden—SALT MILL—Shreveport Mineral Co., J. J. Kean, representative, plans salt mill, about 12 mi. from here. $500,000.

Tenn., Chattanooga—GARAGE—Chattanoga Trust Co., 1st Natl. Bank Bldg., having plans prepared by C. E. Bearden, 1st Natl. Bank Bldg., 75 x 200 ft., concrete, brick and steel garage, Market St. near 4th St. $50,000.

O., Hamilton—ELECTRIC PLANT—G. C. Mitchell, service dir. plans brick and concrete plant. $500,000. Froelich & Emery Eng. Co., 412 2nd Natl. Bank Bldg., Toledo, engrs.

O., Marrietta—FACTORY—Rand Kardex Co., Tonawanda, N. Y., having plans prepared 5 story and basement, 88 x 100 ft., brick, steel and concrete addition, Greene St., here. $125,000. Private plans.

Constr. News page 49

Buildings—Industrial (Continued)

O., Painesville—BOILER HOUSE and LAUNDRY—A. Garfield, archt., Natl. City Bldg., Cleveland, soon lets contract 1 and 2 story, brick and steel boiler house and laundry for Lake Erie College for Women, Painesville. $40,000.

Ind., Indianapolis—FACTORY—Morrison & Risman Co. having plans prepared 1 story, 50x100 ft., brick and steel factory. $45,000. Private plans.

Ind., Indianapolis — FACTORY — Hide Leather & Belting Co., 225-27-29 South Meridian St., having plans prepared by F. S. Cannon, 21 Va. Ave., 4 story, brick, steel and rein.-con. factory. $75,000.

Wis., Cedarburg — FACTORY — Amer. Electric Motors, Inc., 57 Erie St., Milwaukee, P. E. Keller, in charge, plans 1 story, 100x300 ft., brick and steel addition, plain foundation, here. Engineer and architect not selected.

Wis., Manitowoc—FACTORY—Natl. Toy & Tinsel Co., 16th and Hamilton Sts., having plans prepared by W. J. Raeuber, Odd Fellows Bldg., 2 story, 17 x 60 ft., and 32 x 100 ft., brick and timber, top additions. $40,000.

Wis., Milwaukee—FACTORY, etc.—Pittsburgh Plate Glass Co., 205 Lake St., having plans prepared by Kirchhoff & Rose, 210 Sycamore St., two 3 story manufacturing, and one 1 story storage buildings, all rein.-con. and brick, plain foundation, Lake St.

Mo., Kansas City—GARAGE and SALES ROOM—Mack International Truck Co., 2605 Warwick Blvd., E. Lang, mgr., having plans prepared brick and concrete garage and sales room. $75,000. Private plans.

Texas—BOTTLING PLANTS—Delaware Punch Co., c/o H. K. Lyons, Granado and North San Marcos Sts., San. Antonio, having preliminary plans, etc., prepared 18 plants throughout state. $25,000 to $100,000 each. Private plans.

Texas — GASOLINE PLANT — Signal Gasoline Co., Inc., Bartlett Bldg., Los Angeles, Calif., having plans prepared 15,000 gal. daily capacity casinghead gasoline plant, in Reagan Co., here. $350,000. Private plans.

Tex., Amarillo—POWER PLANT—Berg & H. H. Simpson, 942 Buhl Bldg., Detroit, Mich., and J. W. Crudington, Amarillo, plan power plant. $1,000,000. Private plans.

Tex., Gorman—COTTON COMPRESS—W. G. Baker having preliminary plans prepared 1 and 2 story, rein.-con. and brick, plain foundation. $75,000. Private plans.

Tex., Ranger—REFINERY — Petroleum Products Corp., Independence, Kan., purchased Ranger Refinery and having preliminary plans prepared improving same, here. $250,000. Private plans.

Tex., Shafter—CYANIDE MILL—Presidio Mining Co. having plans prepared 300 ton capacity cyanide mill for treatment of silver ore, etc. $200,000. Private plans.

Wash., Aberdeen — POWER PLANT — Voted $2,000,000 bonds, power plant and dam on Wynooche River. W. J. Robertson, P. S. Bank Bldg., Tacoma, consult. engr. Noted June 3 under "Unclassified."

Wash, Seattle — SUB-STATION — See "Buildings Commercial."

Calif., Hilmar—CONDENSARY—Meyenberg Milk Co., 1 Drumm St., San Francisco, purchased site and plans brick or concrete milk condensary. $40,000 or more.

Calif., Los Angeles—PLANT—City, Water and Power Dept., making preliminary plans for stand-by steam plant on water front.

Calif., Oakland—AUTO PLANT—Willys-Overland Pacific Co., 5601 East 14th St., purchased site and plans assembling plant, 100,000 sq.ft. floor space, East 14th St.

Calif., Ontario — PLANT — Exchange Orange By-Products Assn. having plans prepared by Austin Co., 777 East Washington St., Los Angeles, 1 story, 100x125 ft., and 2 story, 60x225 ft., rein.-con. and brick packing plant.

Ont., London—FACTORY — Canadian Kellogg Corn Flakes Co. having plans prepared 4 story factory addition. $150,000. Watt & Blackwell, Bank of Toronto Bldg., engrs.

Bids Desired

Mass., Gardner—FACTORY—July 24, by E. W. Pierce, 32 Travers St., 2 story, 45 x 105 ft., brick and rein.-con., Travers St. $50,000. Private plans. Noted July 1.

N. Y., White Plains—BOILER PLANT, etc.—July 21, at office clk. Bd. Supervisors, Westchester Co. Court House, additions, and alterations, to boiler plant, with pumping equipment, etc. here. F. L. Merritt, clk. adv. E.N.-R. July 15.

Pa., Pittsburgh — SUB-STATION—Duquesne Light Co., 435 6th Ave., taking bids 1 story, 54 x 57 ft., concrete, brick and steel, Superior and Public Aves. $40,000. Private plans.

Pa., Sharon—PLANT — See "Contracts Awarded".

Pa., West Bridgewater—BAKERY—Keystone Baking Co., taking bids 1 story, 50 x 130 ft., brick, steel and concrete, here. $40,000. McCormick Co., 121 South Negley Ave., Pittsburgh, archts.

O., Cleveland — FACTORY — McKinney Tool Co., E. W. McKinney, pres., 15215 Utopia Ave., taking bids, 1 story, 40 x 100 ft., brick and steel factory, Arabelle Ave. $40,000. A. C. Wolf, Swetland Bldg., archt.

Ind., Evansville — SHOPS — Chicago & Eastern Illinois R.R., L. C. Hartley, ch. engr., 66th and Union Ave., Chicago, Ill., taking bids brick, steel and rein.-con. round house, turn table, water tanks, auxiliary shops, etc., at Pigeon Creek, here. $500,000.

Ind., South Bend—STORAGE—Armour & Co., 208 South La Salle St., Chicago, Ill., taking bids 1 story and basement, 50 x 132 ft., brick and steel storage building. $45,000. Private plans.

Ill., Melrose Park — FACTORY — See "Contract Awarded."

Wis., Milwaukee—FACTORY—M. Tullgren & Sons Co., archts., 9 Waverly Pl., taking bids 2 story, 62 x 120 ft., brick and concrete addition, plain foundation, 30th St., for Badger Meter Mfg. Co., 841 30th St.

Tex., Delray—DISTRIBUTING PLANT —See "Contracts Awarded".

Bids Received

N. Y., New York--GARAGE--Bd. Trustees Bellevue & Allied Hospitals, J. J. McGrath, pres., 415 East 26th St., July 7, general contract garage at 26th St. and 1st Ave., from T. A. Reilly Co., 25 West 43rd St., $87,950. Noted July 1.

N. Y., Poughkeepsie—SHOP, etc.—A. W. Brandt, comr. Highways, Dept. Pub. Wks., Albany, 2 story, 68 x 188 ft., brick, rein.-con. and steel shop and loft building, near here, from L. H. Swenson Co., 30 Market St., $54,349. Noted July 1.

Contracts Awarded

Mass., Arlington (br. Boston)—SALES-ROOM and REPAIR SHOP—Tudor Trust, 1 story, rein.-con. and brick, Massachusetts Ave. and Ramsdell Court, to Patterson & Fox, 251 Portland St., Cambridge. Archts. est. $40,000.

Mass., Boston—REPAIR and SERVICE GARAGE—Forsyth Garage Corp., 2 story and basement, 180 x 190 ft., brick and steel, 70 Forsyth St., to S. Rudnick, 214 Riverway, Roxbury. Archts. est. $150,000.

Mass., Boston—REPAIR and SERVICE GARAGE—S. Waldman, 101 Esmond St., Dorchester, 2 story and basement, 90 x 120 ft., brick, Northampton and Washington Sts., to P. Rich & Son, 3 Tremont Row. Archts. est. $100,000. Noted June 17.

Mass., Chelsea (br. Boston)—FACTORY —Snow White Laundry Co., 235 3rd St., 1 story and basement, 35 x 100 ft., brick, Webster Ave., to N. Weinstein, 104 Chester St. Archts. est. $40,000. Noted June 10.

R. I., Providence—REPAIR and SERVICE GARAGE — Narragansett Electric Light Co., 1 story, brick, Melrose St., to Central Eng. & Constr. Co., 210 Main St., Pawtucket, Archt. est. To exceed $40,000.

Conn., Union City (Ind. Sta. Naugatuck) —PLANT—Easter Malleable Iron Co., 1 story, 125 x 200 ft., brick and steel, to Clark Constr. Co., 168 Grand St., Waterbury. Archts. est. to exceed $40,000.

N. Y., White Plains — SERVICE STATION—International Motor Truck Co., 25 B'way., New York City, brick, steel and stone, plain foundation, Kensico Ave., here, to Turner Constr. Co., 244 Madison Ave., New York City, $175,000. Noted June 17.

Pa., Boyertown — CASKET PLANT — Boyertown Casket Co., 5 story and basement, 40 x 60 ft. and 80 x 200 ft., rein.-con. and brick addition, plain foundation, here, to White Constr. Co., Jefferson Bldg., Philadelphia.

Pa., Bridgeville—PAINT PLANT—J. B. Sipe & Co., 2 story, 60 x 160 ft., brick or hollow tile and steel, to Austin Co., Union Trust Bldg., Pittsburgh. Archts. est. $50,000.

Pa., Bristol—MILL—Yargman Gray Co., Torresdale Ave. and M Sts., Phila., 1 and 2 story and basement, 160x289 ft., 50x271 ft. and 50x50 ft., rein.-con. and brick hosiery mill at Croyden, to Nelson-Pedley Co., Corn Exch. Bldg., Phila.

Pa., Derry — CASTING — Westinghouse High Voltage Insulator Co., 1 story, 24 x 40 ft., and 96 x 96 ft., concrete and brick casting building, to Cartensen & McLain, Swank Bldg., Johnstown. Archts. est. $40,000.

Pa., Oil City—MACHINE SHOP—United Natural Gas Co., general contract 1 story, 120 x 130 ft., brick, to Pittsburgh Bridge & Iron Wks., Bessemer Bldg., Pittsburgh. Archts. est. $60,000.

Pa., Pittsburgh—MILL—Pittsburgh Rolls Corp., 42nd St., general contract 1 story, 73 x 120 ft., brick, concrete and steel, 42nd St., to Pittsburgh Eng., Fdry. & Constr. Co., 511 Homewood Ave. Archts. est. $40,000.

Pa., Scottdale—CASTING PLANT—U. S. Cast Iron Pipe & Fdry. Co., 1 story, 60 x 171 ft., steel addition, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Engrs. est. $50,000.

Pa., Sharon — PLANT — Westinghouse Electric & Mfg. Co., East Pittsburgh, 3 story and basement, 72 x 220 ft., brick and steel addition, here, to B. H. Prack, Martin Bldg. $250,000. Noted June 3.

O., Cleveland — FACTORY — Ferbert Schondorfer Co., A. J. Ferbert, pres., Elmwood Ave., 4 story and basement, 60 x 90 ft., brick, steel and concrete addition, Elmwood Ave., to Austin Co., 16112 Euclid Ave. Archts. est. $75,000. Private plans. Noted Feb. 11.

Ill., Chicago—PRINTING PLANT and OFFICE—Mundie & Jensen, archts. 39 South La Salle St., general contract 3 story, fireproof printing plant and office, to C. A. Moses Constr. Co., 133 West Washington St., for Prairie Farmers Pub. Co., Washington Blvd. and Williard St., $175,000.

Ill., Chicago—OFFICE and FACTORY—See "Biuldings—Commercial."

Ill., Melrose Park—FACTORY—Mississippi Valley Structural Steel Co., Decatur and 208 South La Salle St., Chicago, will build 1 story, 375 x 375 ft., rein.-con., brick and steel factory, here, by day labor. H. H. Cosley, 208 South La Salle St., Chicago, contg. engr. $500,000.

Wis., Milwaukee — FACTORY — Slocum Straw Wks., 656 Natl. Ave., 2 story and basement, 36x135 ft., brick and timber addition, plain foundation, Natl. Ave., to P. Riesens Sons, 1018 Humboldt Ave. Archts. est. $50,000.

Wis., Milwaukee — SHOP — Schaefer & Co., 1171 Forest Home Ave., 2 story, 124 x 163 ft., brick and steel, plain foundation, Lincoln Ave., to Klug & Smith Co., 69 Wisconsin St., Archts. Est. $85,000.

Mo., Webster Groves — GARAGE and SERVICE—Tate Motor Co., 2001 Locust St., 2 story and basement, 125 x 145 ft., rein.-con. and brick, Lockwood St., to Widmer Eng. Co., Laclede Gas Bldg., St. Louis. Archts. est. $150,000.

Tex., Delray—DISTRIBUTING PLANT —Texas Oil Co., will build distributing plant and steel tanks, by day labor. $200,000. Private plans.

Tex., San Benito—ICE CREAM PLANT —Owner, c/o Ewing & Mulhausen, archts., Harlingen, 2 story (ultimately 4 story) roof garden, rein.-con., brick and stone, plain foundation, to R. E. Ewing, Harlingen, approximately $40,000.

Calif., Oleum — LABORATORY — Union Oil Co. of California, Mills Bldg., San Francisco, 2 story, brick and timber, to Lawton & Vezey, 354 Hobart St., Oakland, $40,000.

Calif., Pasadena — LAUNDRY — Royal Laundry Co., 465 South Raymond Ave., 1 story, 175 x 185 ft., rein.-con., Raymond and Bellevue Aves., to P. Hall, 388 South Raymond Ave.

Calif., San Jose—PACKING PLANT—Growers Packing & Warehouse Co., Cinnabar and Senter Sts., steel and concrete annex, to J. D. Carlson, 235 Sierra St., $42,735.

Ont., Port Arthur—MILL—Thunder Bay Pulp & Paper Co., will build brick and concrete paper mill, by day labor, $500,000. E. Cutell c/o owner, engr. Noted April 8.

Buildings—Educational, Religious

Proposed Work

N. H., Pittsfield—RECTORY — Roman Catholic Archdiocesan, F. Caron, pastor, having plans prepared by W. E. Provest, 1061 Elm St., Manchester, 2 story and basement, brick and stone rectory. $150,000.

Mass., Boston—SCHOOLS—City, Schoolhouse Dept., having plans prepared by J.

Constr. News page 50

Buildings—Educational, Religious (Cont.)

Driscoll, 6 Beacon St., 3 continuation schools, girls unit, 4 story and basement, $400,000; boys units, 6 story and basements $600,000, and 4 story addition to old building, $400,000 all brick and limestone, plain foundations, Warrenton and Common Sts. Noted Apr. 15.

Mass., Chicopee—CHURCH—Hope Methodist Episcopal Church Society, E. Hudson, chn., having plans prepared by G. P. B. Alderman & Co., 316 High St., Holyoke, 1 story and basement, 50 x 130 ft., brick and stone, Button St. $150,000.

Mass., Forest Hills (mail Boston) — LABORATORY—Harvard University, c/o Stevens & Lee, archts., 45 Newbury St., Boston, having plans prepared 2 story and basement, brick addition. $150,000.

Mass., Salem—NURSES HOME—Salem hospital, Highland Ave., having plans prepared by Haven & Hoyt, 220 Devonshire St., Boston, 3 story and basement, brick nurses home. $150,000.

Mass., Somerville (Boston P. O.)—HIGH SCHOOL—City, L. M. Conwell, City Hall, having sketches made by Ritchie, Parsons & Taylor, 15 Ashburton Pl., Boston, 2 story and basement, brick addition, Highland Ave. $200,000.

Mass., West Somerville (br. Boston)—PARISH HOUSE—West Somerville Baptist Church, F. M. Swaffield, pastor, 54 Chandler St., Somerville, having sketches made by Brainard & Leeds, 89 Franklin St., Boston, 3 story and basement, brick and stone, College St. and Morrison Ave. $150,000.

N. Y., Aurora—FACULTY—Wells College having plans prepared by J. W. O'Connor, 152 East 37th St., New York City, brick, steel and stone, plain foundation. $200,000. E. E. Seelye, 101 Park Ave., New York City, engr.

N. Y., New York—CHURCH and SCHOOL—St. Stephens Hungarian Church, 420 East 14th St. having plans prepared by J. H. McGuire, engr. and archt., 5 Columbus Circle, 3 story, brick, steel and stone, plain foundation, 10 East 82nd St., $250,000.

N. Y., New York—CHURCH and RECTORY—Church of the Heavenly Rest, 3 East 45th St., soon takes bids, brick, steel and stone, plain foundation, 5th Ave. and 90th St., $2,000,000. B. G. Goodhue, 2 West 47th St., archt. Noted Apr. 29.

N. Y., New York—INSTITUTE—First Institute of Pediatry, 213 West 124th St., having plans prepared by Jallade, Lindsey & Warren, engrs. and archts., 129 Lexington Ave., 4 story, brick, steel and stone, plain foundation, 153 East 124th St. $175,000.

N. Y., North Tarrytown (Ind. br. Tarrytown)—HIGH SCHOOL—Bd. Educ. having plans prepared by Knappe & Morris, engrs. and archts., 171 Madison Ave., New York City, 3 story, brick, steel and stone addition, plain foundation. $150,000.

N. Y., Oneida — HIGH SCHOOL — Bd. Educ. having plans prepared by W. Potter, engr. and archt., 22 East 17th St., New York City, brick, steel and stone addition, plain foundation, Elizabeth St. $325,000.

N. Y., Schenectady — SCHOOL — Union College, C. H. Richard, in charge, having plans prepared by H. C. Severance, engr. and archt., 36 West 44th St., New York City, 3 story, brick, steel and stone, plain foundation, on campus. $175,000.

N. J., Newark—SCHOOL—Bd. Educ., City Hall, having plans prepared by J. F. Cook, engr. and archt., Union Bldg., brick, steel and stone, plain foundation, Summer Ave., $300,000.

Pa., Karns City—HIGH SCHOOL—Bd. Educ. having plans prepared by W. G. Eckles Co., New Castle, 2 story and basement, 125 x 125 ft., brick and hollow tile high school. $150,000.

Pa., New Castle—HIGH SCHOOL—Bd. Educ. Shenango Twp., c/o J. G. Houck, Lawrence Savings & Trust Bldg., having plans prepared by A. L. Thayer, New Castle, 3 story and basement, 120 x 120 ft., brick and hollow tile high school, near here. $150,000.

Pa., Phila.—AUDITORIUM—July 14, by University of Pennsylvania, 34th and Spruce Sts., Wm. B. Irvine Auditorium, 1 story, 2 balconies and basement, 145 x 145 ft., rein.-con., brick, stone and steel, plain foundation, 34th and Spruce Sts. H. Trumbauer, Land Title Bldg., archt.

Pa., Phila. — NURSES HOME and TRAINING SCHOOL—July 13 by Willing, Sims & Talbott, archts., 126 South 18th St., 4 story, 40 x 150 ft., rein.-con. and brick, plain foundation, 8815 Germantown Ave. (Chestnut Hill), for Chestnut Hill Hospital, 8815 Germantown Ave. (Chestnut Hill). $150,000.

Pa., Pittsburgh — ADMINISTRATION—Bd. Educ., Fulton Bldg., having plans prepared by Ingham & Boyd, Empire Bldg., brick and steel, Forbes and Dithridge Sts. $400,000.

N. C., Durham—COLLEGE—Duke University, plans 40 building unit, on Campus. $20,000,000. H. Trumbauer, Land Title Bldg., Philadelphia, Pa. archt.

Miss., Jackson — CHURCH — Capitol Street Methodist Congregation, H. B. Brooks, paston, plans new church. $500,000. E. Flowers, chn. building com.

Ind., Goshen — CHURCH — First Presbyterian Church having preliminary plans prepared, brick, steel and rein.-con. church. $150,000. Private plans.

Ill., Chicago—SCHOOL—Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., rejected bids, 3 story and basement addition to Spencer School, North Lavergne and Park Aves. Will readvertise. $250,000.

Wis., Wauwatosa — SEMINARY—Evangelical Lutheran Joint Synod, J. Brenner, pastor and chn. building com., 814 Vliet St., having plans prepared by Clas, Shepard & Clas, 445 Milwaukee St., Milwaukee, group 2 and 3 story, rein.-con. and brick buildings, plain foundations, Vliet and 60th Sts. $400,000.

Ia., Des Moines — CHURCH — Vorse, Kraetsch & Kraetsch, archts., 1201 Commonwealth Bldg., soon lets contract 3 story and basement, 160x220 ft., rein.-con., brick, steel and stone, plain foundation, for Grace Methodist Episcopal Church. $350,000. Noted June 24.

Neb., Cozad—HIGH SCHOOL—Bd. Educ. having plans prepared by N. E. Davis, Clinic Bldg., Grand Island, 3 story and basement, brick high school. $150,000.

Tex., Brownsville—COLLEGE—Catholic Church, c/o J. B. Frigon, pastor, making preliminary plans Junior College, 3 story, rein.-con., brick and stone, plain foundation. $300,000. Engineer and architect selected soon.

Tex., Dallas — CHURCH — Oak Cliff Church of Christ having plans prepared by T. J. Galbraith, Slaughter Bldg., church, 10th St. $150,000.

Tex., McAllen—HIGH SCHOOL— Bd. Educ., c/o F. Freeland, secy., having plans prepared by R. H. Cameron, City Natl. Bank Bldg., San Antonio, brick, stone, steel and rein.-con. high school. $200,000.

Calif., Pasadena — CHURCH — Trinity Lutheran Church, having plans prepared by Quintin & Kerr, 310 Weber Bldg., Alhambra, 98 x 166 ft., rein.-con., Walnut and Catalina Sts. $150,000 or more.

Bids Desired

N. H., Dover—HIGH SCHOOL—City, Bd. Educ., taking bids 2 story and basement, brick and stone addition. $150,000. J. E. Richardson, 56 Grove St., archt.

Mass., Boston — CHURCH — See "Contracts Awarded".

Mass., Boston—NURSES HOME—July 27, by City Hospital Dept., 818 Harrison Ave., 5 story and basement, brick, addition. $290,000. Ritchie, Parsons & Taylor, 15 Ashburton Pl., archts. Noted May 6.

Mass., Boston — PARISH HOUSE—Emanuel Church (Episcopal)—taking bids 5 story and basement, brick, stone, and limestone, plain foundation, 11-13 Newbury St. $150,000 or more. Allen & Collins, 75 Newbury St., archts.

Mass., Framingham — CHURCH—Grace Congregational Church, c/o R. H. Wamboldt, archt., 6 Beacon St., Boston, taking bids 1 story and basement, brick and stone, Union Ave. $150,000. Noted June 29.

Mass., Natick—SCHOOLS—Town taking bids 1 and 2 story and basement, brick and stone, 3 elementary schools. To exceed $150,000. McLaughlin & Burr, 88 Tremont St., Boston, archts.

Mass., Rockland—SCHOOL—School Com. C. Easton, chn., taking bids, 2 story and basement, brick and stone elementary school, James St. $150,000. J. D. Leland & Co., 41 Mt. Vernon St., Boston, archt. Noted Apr. 15.

Conn., Hartford—SCHOOL—Aug. 2, by 2nd North School Dist. Com., 118 Asylum St., 3 story and basement, 64 x 240 ft., and 62 x 88 ft., brick and steel, North Main St., $500,000. J. E. Marchetti, 721 Main St., archt.

Conn., Hartford—SCHOOL—Aug. 2, by 2nd North School Dist. Building Com., c/o City Bank and Trust Co., 118 Asylum St., Henry Bernard School. $450,000. J. E. Marchetti, 721 Main St., archt. Noted Jan. 7.

Conn., New Haven—HIGH SCHOOL—City, Bd. Educ., taking bids Junior High School, brick and steel, Bassett St. and Skelton Ave. $200,000. Brown & Von Beren, 185 Church St., archts.

N. Y., Little Neck (mail Douglaston)—SCHOOL—July 28, by W. H. Gompert, Supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 94, Old House Landing Rd., here for Bd. Educ., 500 Park Ave., New York City.

N. Y., Pelham (Ind. br. New York)—SCHOOL—July 26, by Bd. Educ., 3 story, 50x100 ft. brick, steel and stone school. $150,000. Starrett & Van Vleck, 393 7th Ave., New York City.

Pa., Berwick—GRADE SCHOOL—July 19, by Bd. Educ. 2 story and basement, 59 x 145 ft., rein.-con. and brick, plain foundation, here. W. H. Witman, Harrisburg, archt.

O., Eaton—SCHOOL—July 27, by Bd. Educ., 2 story and basement, brick, concrete and stone school. $300,000. W. B. Ittner, 911 Locust St., St. Louis, Mo., archt.

Ind., Elwood—SCHOOL—Trustees, taking bids, 2 story, 95 x 165 ft., brick and rein.-con., high and grade school. H. Holton, pres. $150,000. McGuire & Shook, 320 Indiana Pythian Bldg., Indianapolis, archts.

Ill., Eureka—HIGH SCHOOL—July 20, by Bd. Educ., W. T. Madison, pres., Twp. Dist. 123, 3 story, 110 x 190 ft., concrete, brick and stone high school. $150,000. Noted Mar. 18.

Wis., Wauwatosa—DORMITORY, etc.—July 21, by Bd. Trustees, Milwaukee Co. Institutions, W. L. Coffey, mgr., 3 story and basement, brick and concrete, plain foundation, here. $159,000. R. Messmer & Bro., 221 Grand Ave., Milwaukee, archts.

Calif., Los Angeles—SCHOOL—July 21, by Bd. Educ., Utah Street School, 2 story, 88 x 200 ft., brick, for Los Angeles City School Dist. A. C. Martin, Higgins Bldg., archt.

Bids Received

Conn., New Haven—HIGH SCHOOL—City, R. B. Hall, Junior High School, 3 story and basement, rein.-con. and brick, Grand Ave., from A. Abbadessa, 32 High St., $256,695. Noted June 24.

N. Y., West Brighton (mail West New Brighton) — SCHOOL—W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, July 7, general contract P. S. 45, Morrison Ave., here, for Bd. Educ., 500 Park Ave., New York City, from Brahan Constr. Co., 7 East 42nd St., New York City, $298,000; heating, from Heat Control Serv. Co., 759 Park Pl., New York City, $45,355. Noted June 24.

N. J., East Orange—SCHOOLS—Bd. Educ., from A. W. Crone & Son, 383 Palisade Ave., Jersey City, general contract Franklin School $229,987, Lincoln School $53,980, and Washington School $59,644.

Pa., Phila.—SCHOOL—Bd. Educ., 19th and Chestnut Sts., general contract 3 story and basement, 112 x 136 ft., rein.-con. and brick, Hancock and Wildy Sts., from Cramp Co., Denckla Bldg., $340,000; and heating, from Thompson Bros., 520 Buttenwood Ave., $26,769. Noted July 1.

Ind., Elkhart—SCHOOL—School Trustees, general contract 4th Ward Grade School, brick, steel and rein.-con., from R. Sollitt & Sons, 303 Sherland Bldg., South Bend. Archts. est. $150,000.

Tex., San Antonio — CHURCH and PARISH HOUSE——St. Marks Church, c/o R P. Grum, pastor, 3 story parish house and additions to church, rein.-con., brick and stone, plain foundation, Pecan and Jefferson Sts., from W. C. Perry, c/o Bedell Bldg., $195,000. Noted June 17.

Tex., Wichita Falls — CHURCH — First Methodist Congregation, c/o J. J. Perkins, chn. building com., and J. W. Johnson, pastor, 1 story and basement, 81 x 170 ft. with 47 x 49 ft., side extension, brick, steel and rein.-con., 10th and Lamar Sts., from Bellows-Maclay Constr. Co., Dallas, $247,000. Noted June 17.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ., June 9, general contract Fairfax High School, 1 and 2 story, 80 x 200 ft. gymnasium with 40 x 80 ft. wing, and 2 story 17 classroom building, brick, from Darrell Constr. Co., 309 South Western Ave. $152,895. Noted June 3.

Contracts Awarded

N. H., Concord—DORMITORY, etc.—St. Pauls School, J. Walker, bus. mgr., 2 and 3 story, brick dormitory and masters houses, to G. B. H. Macomber Co., 44 Bromfield St., Boston. Archts. est. to exceed $150,000. This corrects report in July 8 issue.

Constr. News page 51

Buildings—Educational, Religious (Cont.)

Mass., Boston — CHURCH—Church of Our Savior (Episcopal) 814 South St., will build 1 story and basement, 48 x 116 ft, brick and granite, plain foundation, South St. $160,000. Work will be done by separate contracts. H. E. Davison & Son, 46 Cornhill, Boston, archts.

Mass., Boston—SCHOOL—St. Catherines Parish, I. H. McCoy, pastor, 3 story and basement, 40 x 125 ft., brick, Vine St. and Hays Sq. to Casey & Darcey, 1179 Tremont St. Archts. est. $150,000. Noted July 1.

Mass., Fitchburg—SCHOOL—St. Bernards Roman Catholic Church, J. J. Donnelly, pastor, 2 story and basement, brick and stone, Summer St., to W. J. Handley Co., 280 Main St., Archt. est. $150,000 or more. Noted June 17.

Mass., Medford (br. Boston)—CHURCH—St. James Roman Catholic Church, A. Murphy, pastor, Fellsway corner 4th St., 1 story and basement, brick, stone and granite, to Walsh Bros., 150 Hampshire St., Cambridge. Archts. est. $1,000,000. Noted May 27.

Mass., Norwood—SCHOOL—St. Catherines Parish, 558 Washington St., 2 story and basement, brick and stone, Washington St., to J. F. Griggin Co., 15 Exchange St., Boston. Archts. est. $150,000.

Conn., Hartford — SYNAGOGUE — Emanuel Synagogue, M. Silverman, rabbi, 2 and 3 story, 85 x 165 ft., brick, terra cotta and steel, Woodland St., to Porteus-Walker Co., 13 Forest St., $300,000. Noted June 24.

Conn., New Haven—LIBRARY—Yale University, Sterling Memorial Library, brick and steel, to Marc Eidlitz & Sons, 41 East 42nd St., New York City. Archts. est. $6,000,000. Noted Jan. 28.

N. Y., Newburgh—HIGH SCHOOL—Bd. Educ., general contract brick, steel and stone, plain foundation, Fulton Ave. to P. M. Higginson, Newburgh, Archts. est. $700,000. Noted June 10.

N. Y., New York—PARISH HOUSE—St. Bartholomews Episcopal Church, 107 East 50th St., 6 story, brick, steel and stone, plain foundation, 51st St. and Park Ave. to Cauldwell-Wingate Co., 381 4th Ave., Archts. est. $250,000. Noted June 10.

Pa., Bryn Mawr—CHURCH—Karcher & Smith, archts., 34 South 17th St., Phila., 1 story, balcony and basement, 96 x 160 ft., rein.-con., steel, limestone, cast stone, etc., plain foundation, to Doyle & Co., 1519 Sansom St., Phila., for Bryn Mawr Presbyterian Church, c/o archts. Archts. est. $500,000. Noted June 24.

Pa., Phila.—CHURCH and SUNDAY SCHOOL—Thomas, Martin & Kirkpatrick, archts., 220 South 16th St., 2 story and basement, 72 x 103 ft., rein.-con., brick, stone and steel, plain foundation, Ridge Ave., and Hermitage St., to C. C. Pace, Cynwyd, for Levering Presbyterian Church, c/o H. B. Burgess, pastor, 4423 Mitchell St. Noted June 10.

Pa., Phila.—DINING HALL—Girard College, Girard and Corinthian Sts., 3 story and basement, 130 x 222 ft., rein.-con., brick and steel, plain foundation, Girard and Corinthian Sts., to Day & Zimmerman, 1600 Walnut St.

Pa., Phila.—SCHOOL and DORMITORY—Sisters of St. Joseph, c/o P. F. Getz, archt., Commonwealth Trust Bldg., 2 story and basement, 56 x 182 ft., rein.-con., stone and steel, plain foundation, Sunset and Germantown Aves., to J. McShane, Inc., 1713 Sansom St. Archts. est. $150,000.

Md., College Park—COLLEGE—University of Maryland, 3 story, 75 x 112 ft., rein.-con., brick, chemistry building, to Price Constr. Co., Maryland Trust Bldg., $175,000. Noted Dec. 17.

O., Rocky River—SCHOOL—Bd. Educ., E. S. Sisson, clk., general contract 2 story and basement, 80 x 140 ft., brick, steel and concrete, West Lake and Kensington Rds., to G. H. Molhlman, Norwalk, $121,-130. Noted June 3.

O., Shaker Heights (mail Cleveland)—SCHOOLS—Bd. Educ., J. W. Main, clk., South Woodland and Woodbury Rd., 2 story and basement, brick, steel and concrete grade school, Dorchester and Fernway Rds., to G. H. Moehlman, Norwalk, $196,375. Noted June 24.

O., Springfield — COLLEGE — Perkins, Fellows & Hamilton, archts., 814 Tower Court, Chicago, Ill., 3 story, 66 x 137 ft., rein.-con., brick and cut stone, here, to J. I. Barnes, Springfield, for Wittenberg College. Archts. est. $150,000. Noted June 3.

Ind., McCordsville — SCHOOL—School Trustee, general contract 2 story and basement, brick and steel, to E. A. Carson, Logansport. Archts. est. $150,000. Noted Apr. 8.

Mich., Pontiac—SCHOOL—Bd. Educ. 2 story and basement, 64 x 160 ft., rein.-con., brick and steel, plain foundation, Bagley Site, to Pryle Constr. Co., $150,000. Noted June 17.

Ill., Chicago—SCHOOLS—Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., general contract Samuel Gompers School, West 123rd St. and Lafayette Ave., and Pasteur School, West 58th St. and Kolin Ave., both 3 story and basement, 72 x 386 ft., to Lind Constr. Co., 6404 South State St. Archts. ests. $500,000 each. Noted May 13.

Neb., Hastings—SCHOOLS—School Dist. 18, N. Harrenstein, clk., 2 story, 36 x 238 ft., and 1 story, 36 x 47 ft., 42 x 69 ft., and 60 x 65 ft. extensions, 3 story, 103 x 173 ft. high school, all rein.-con., brick and terra cotta, to E. R. Green, Hastings, archts. ests. $165,000 and $150,000 respectively.

Neb., Lincoln—SCHOOL—Bd. Educ. 2 story and basement, 200x288 ft., rein.-con., brick and stone addition, plain foundation, here, to Robertson Constr. Co., Lincoln $235,403.

Mo., Kansas City—HIGH SCHOOL—Bd. Educ., 4 story and basement, irregular shaped addition to Paseco High School, 48th and Flora Sts., to Fogel Constr. Co., 619 Reliance Bldg., $225,000. Archts. est. $250,000.

Federal Government Work

Proposed Work

Pa., Fort Mifflin (mail Essington)—Pier—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans improving Pier 2, at Ammunition Depot, here.

Mo., Matson—Dikes—U. S. Engineer Office, Postal Bldg., Kansas City, rejected bids June 23, clump dikes in Missouri River, at Darst Bottom, here. Will readvertise. Noted July 8.

Mo., St. Louis—Cabin, etc.—Mississippi River Comn., International Life Bldg., rejected bids transferring cabin and erecting machinery on U. S. Steamer "Mississippi." Will readvertise. Noted June 3.

Bids Desired

R. I., Newport—Dredging—Spec. 5224—July 21, by Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Naval Station, Goat Island, here.

Conn., Stamford—Dredging—July 27 by U. S. Engineer Office, Providence, R. I., removing ledge or boulders from Stamford Harbor here, adv. E. N.-R. July 15.

N. Y., New York—Dredging, etc.—July 22, by U. S. Engineer Office, dredging and rock removal in New York and New Jersey Channel.

N. Y., New York—Dredging—July 23, by U. S. Engineer Office, 2nd Dist., dredging 1,190,000 cu.yd. in New York and New Jersey Channel between Pralls Island and Perth Amboy.

Del., Wilmington—Stone—July 30, by U. S. Engineer Office, 10,000 tons stone for jetty repairs.

D. C., Wash.—Equipment—Aug. 2, by U. S. Engineer Office, pneumatic conveying and dust recovering equipment for Water Supply, District of Columbia.

Calif., Orland—Dam—Aug. 18 by Dept. of Interior, Bureau of Reclamation, constructing of Stony Gorge dam here. Adv. E. N.-R. July 15.

C. Z., Coco Solo—Refrigerating Plant—Aug. 11, by Bureau of Yards and Docks, Navy Dept., Washington, D. C., construction of refrigerating and ice-making plant at Naval Submarine Base here. Adv. E. N.-R. July 15.

Bids Received

Mass., Rutland Heights — Roads and Walks—U. S. Veterans Hospital, Arlington Bldg., Wash., D. C., June 22, roads and walks at U. S. Veterans Hospital 89, here, from W. H. Hinman, Medway, $11,381. Noted June 3.

N. Y., Rome—Extension—Treas. Dept., at office Supervising Archt., Wash., D. C., June 25, extension to U. S. Post Office, here, from W. L. Morrison Constr. Co., Metropolitan Bldg., Wash., D. C., $15,140. Noted June 10.

Pa., Hazleton—Remodeling—Treas. Dept. at office Supervising Archt., Wash., D. C., June 30, remodeling and extending U. S. Post Office, here, from A. N. Lundberg, 208 North Bway., St. Louis, Mo., $16,900. Noted June 17.

Pa., Pittsburgh—Dam—U. S. Engineer Office, June 21, Dam 5, in Allegheny River, from Dravo Contg. Co., Dravo Bldg. $485,-884. Noted May 27.

Pa., Pittsburgh—House—U. S. Engineer Office, 2 story lockkeepers house, at Elmsworth Dam, Ohio River, here, from P. Sinnott's Sons, 2801 Perrysville Ave., solid brick $14,989; terra cotta, tile and brick $14,898 respectively.

Pa., Pittsburgh—Lock Gates—U. S. Engineer's Office, steel gates, etc., from Dravo Contg. Co., Neville Island, $22,640.

Pa., Pittsburgh—Houses—U. S. Engineer Office, June 16, two 2 story lockkeepers houses at Lock 4, Allegheny River, from F. W. Ekas, 608 3rd Ave., Tarentum, solid brick $17,735, terra cotta, tile and brick $17,507 respectively. Noted May 20.

Md., Cumberland — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling elevator at U. S. Post Office, here, from Warner Elevator Mfg. Co., 2613 Spring Grove Ave., Cincinnati, O., $2,777. Noted June 10.

W. Va., Morgantown — Remodeling — Treas. Dept., at office Supervising Archt., Wash., D. C., June 21, remodeling U. S. Post Office, here, from English Constr. Co., 15 West 91st St., New York City, $14,200. Noted June 10.

Fla., Orlando—Extension—Treas. Dept., at office Supervising Archt., Wash., D. C., extensions to U. S. Post Office here, from G. E. Tillman, Centralia, Ill., **(1)** $19,990 **(2)** $1,000. Noted June 3.

Ky., Louisville—Hulls, etc.—U. S. Engineer Office, P. O. Box 72, steel hulls and derricks, from C. Hegewald, New Albany, Ind., $34,949. Noted May 20.

O., Hamilton — Driveway, etc. — Treas. Dept. at office Supervising Archt., Wash., D. C., driveway at U. S. Post Office, here, from W. F. Conradt & Son, 603 Millville Ave. $2,242. Noted June 10.

Ind., Evansville — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post office, here, from Pearson-Regnell Co., 5816 Bway., Chicago, Ill., $4,000; also elevator, from Kimball Bros. Co., Council Bluffs, Ia., $4,114. Noted June 17.

Wis., Milwaukee—Breakwater—U. S. Engineer Office, June 28, South Breakwater in Milwaukee harbor, from E. E. Gillen Co., 288 East Water St., $519,093. Noted June 3.

Tex., Galveston—Dredging Sleeves—U. S. Engineers Office, 30 dredging sleeves, from Goodyear Tire & Rubber Co., East Market St., Akron, O., $23.30 each.

Calif., Livermore — Road — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., June 22, road work at U. S. Veterans Hospital 102, here, from Kaiser Paving Co., 1007 Amer. Bank Bldg., Oakland, **(1A)** $39,000 **(1B)** $24,700 and **(2)** $28,600. Noted June 3.

Calif., San Francisco—Dredging—U. S. Engineer Office, dredging approximately 38,044 cu.yd. in Oakland Harbor, from Amer. Dredging Co., 225 California St., at $0.42 per cu.yd.

Calif., San Rafael — Supervs. Marin Co., June 14, improving Manor and Pt. Reyes Rd. **(a)** contractor furnishing culverts **(b)** county furnishing culverts **(c)** surfacing, from Cuffe & White, Masonic Bldg., San Rafael, **(a)** $74,400 **(b)** $66,500 **(c)** $1. Noted June 3.

Contracts Awarded

N. Y., Brooklyn — Extensions — Treas. Dept. at office Supervising Archt., Wash., D. C., extending mezzanine floor and office of assistant superintendent of mails, etc., at U. S. Post Office and Court House, here, to Werner-Mitchell Co., Inc., 1 De Kalb Ave., $3,092. Noted June 17.

N. Y., Rome—Extension—Treas. Dept., at office Supervising Archt., Wash., D. C., extension to U. S. Post Office, here, to W. L. Morrison Constr. Co., Metropolitan Bldg., Wash., D. C., $15,140. Noted June 10.

N. J., Trenton—Mercer Co., grading and bituminous concrete paving Pennington-Centreville Rd., to Union Paving Co., 30th and Ludlow Sts., Phila., Pa., $69,337.

Pa., Pittsburgh—Houses—U. S. Engineer Office, two 2 story, lockkeepers houses, at Locks 7 and 8, Monogahela River, to Selby, Rose & Mitchum, 609 Monogalia Ave., Morgantown, W. Va., $32,100. Noted May 27.

D. C., Wash.—Sewer—Office Constructing Quartermaster, Munitions Bldg., sanitary sewerage system at Bolling Field, to G. B. Mullin Co., Inc., 1226 Upshaw St. N. W., $18,406. Noted June 10.

D. C., Wash.—Hospital, etc.—U. S. Veterans Bureau, Arlington Bldg., American Red Cross Building, at Walter Reed Hospital, to G. W. Wynne, 2525 Penn. Ave., $159,500. Noted May 27.

W. Va., Huntington—Docking Caissons—U. S. Engineer Office, three steel docking caissons for Ohio River, to Federal Steel Products Co., Point Pleasant, $21,040. Noted May 20.

W. Va., Morgantown — Remodeling — Wash., D. C., remodeling and enlarging

Constr. News page 52

Federal Government Work (Continued)

U. S. Post Office, here, to Cole Bros. Treas. Dept. at office Supervising Archt., Constr. Co., Morgantown, $16,500. Noted June 10.

Fla., Orlando—Extension—Treas. Dept. at office Supervising Archt., Wash., D. C., extensions to U. S. Post Office, here, to G. E. Tillman, Centralia, Ill., $19,990. Noted June 3.

Tenn., Memphis—Steel Barges—Mississippi River Comn., 1st and 2nd Dists., McCall Bldg., 14 steel barges, to Dravo Contg. Co., Neville Island, Pittsburgh, Pa., $164,990. Noted May 6.

Mich., Ann Arbor—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post office, here, to A. M. Lundberg, 208 North Broadway, St. Louis, Mo., $18,000. Noted June 10.

Ill., Chicago—Dredging—U. S. Engineer Office, 537 South Dearborn St., dredging in Calumet River, here to Fitzsimons & Connell Dredge & Dock Co., 10 South La Salle St., $101,200. Noted May 27.

Minn., St. Cloud—Barn, etc.—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., dairy barn, etc., at U. S. Veterans Hospital, here, to Madsen Co., 702 Natl. Bldg., Minneapolis, $79,000. Noted July 1.

Mo., Kansas City—Revetment—U. S. Engineer Office, 707 Postal Telegraph Bldg., bank revetment at Bon Homme Bend, Missouri River, to Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $45,263. Noted June 10.

Mo., St. Louis—Engines, etc.—Mississippi River Comn., International Life Bldg., engines for U. S. Steamer "Mississippi," to Gillett & Eaton, Inc., Lake City, Minn., $18,750; and boilers, to J. O'Brien Boiler Wks. Co., 1601 North 11th St., $14,600. Noted June 3.

Calif., Livermore—Kitchen, etc.—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., kitchen, for Ambulant Cottages, etc., to E. K. Nelson, 77 O'Farrell St., San Francisco, $12,961. Noted May 27.

Unclassified

Proposed Work

Grand Stand and Field House—Brookline (br. Boston), **Mass.**—Town Park Comrs., having revised plans prepared concrete and timber grandstand and field house, Pond Ave. $25,000 or more. Former bids rejected. Private plans. Noted June 24.

Land Development—Hendersonville, N. C.—See "Buildings—Commercial."

Transmission System—Bastrop, La.—Plans rebuilding electric light, waterworks, and electric transmission systems. $100,000. Swanson-McGraw, Inc., Balter Bldg., New Orleans, consult. engrs.

Street Lighting System—Highland Park Ill.—Making plans 200 unit ornamental lighting system in business section. Randolph-Perkins Co., 38 South Dearborn St., Chicago, engr.

Underpass — Anoka, Minn. — Northern Pacific R.R. Co., H. E. Stevens, ch. engr., Ry. Bldg., St. Paul, making plans underpass near Cook Creek Junction, here. $35,000.

Overhead Crossing — Cushing, Minn. — Northern Pacific R.R. Co., H. E. Stevens, ch. engr., Ry. Bldg., St. Paul, making plans overhead crossing, here. $35,000.

Air Port, etc.—St. Paul, Minn.—Voted $295,000 bonds, constructing air port; and $450,000 bonds, river terminal facilities on Mississippi River between Wisconsin and Welland Aves. G. M. Shepard, city engr. Noted June 17.

Hydro-Electric Development—Missouri—Missouri Hydro-electric Co., Land Bank Bldg., Kansas City, received preliminary permit hydro-electric power project in Current River, Shannon, Carter and Ripley Counties, and plans 84 ft. dam at Hargus Eddy, and 194 ft. dam at Mill Creek about 5 mi. above van Buren.

Park Improvements — St. Louis, Mo. — City, F. Pape, comr., Municipal Courts Bldg., soon takes bids developing Christy Park, incl. grading, paving, sidewalks, etc., and constructing Kingshighway S. W. through park. $50,000.

Street Lighting System—St. Louis, Mo.—Bd. Pub. Serv., 208 City Hall, soon takes bids extending street lighting system, incl. concrete standards complete with lanterns, cable, etc. on various streets. $325,000. J. Pritchard, City Hall, dir.

Land Development — Springfield, Mo. — State Savings Trust Co., 155 N. S. Sq., C. A. Ferguson, vice pres., making preliminary plans developing 100 acre tract, University Heights Subdivision, incl. streets, sewers, etc. $100,000.

Transmission Line—Albany, Tex.—West Texas Utilities Co., c/o P. W. Campbell, mgr., Cisco, having preliminary plans prepared 66,000-volt transmission line extending through Putnam, Moran, Albany and Throckmorton. $75,000 or more. Private plans.

Fire Alarm System—Berkeley, Calif.—Making plans fire alarm signal system. To exceed $25,000. J. N. Edy, city mgr.

Park Improvements, etc. — Sacramento, Calif.—Defeated $450,000 bonds, park improvements; $257,000 bonds, fire alarm system; $80,000 bonds, swimming pool; and $73,000 bonds, H St. and Brighton Subways. Noted June 3.

Car Barns—Hamilton, Ont.—Hamilton Street Ry. Co., King St. E., having plans prepared, new car barns. $300,000. Private plans.

Bids Desired

Playground—Boston, Mass.—July 22, by Park Dept., 33 Beacon St., reconstructing Mary Hemenway Playground. $25,000. J. B. Shea, chn.

Shore Extension—Winthrop (br. Boston), **Mass.**—Park Comrs., taking bids, rip rap State Hospital, adv. E. N.-R., July 15.

Ornamental Street Lighting—Gouverneur, N. Y.—Aug. 5, by Bd. Municipal Building, Clinton St., constructing underground cable system, etc. L. C. Reynolds, city engr.; adv. E. N.-R. July 15.

Air Compressor, etc.—Kings Park, N. Y.—July 28 by State Hosp. Comn., Capitol, Albany, air compressor, etc. for Kings Park State Hospital, adv. E. N.-R. July 15.

Grade Crossing—Philadelphia, Pa.—July 23, by Montgomery Smith, 17th and Filbert Sts., purch. agt. for Pennsylvania R.R., Broad St. Station, grade crossing, Contr. 17-1926. A. C. Shand, ch. engr. for railroad.

Property Improvements—Cleveland, O.—July 19, by Bd. Educ., grading, walks, masonry work, fence, landscaping, etc., at new Collinwood High School. To exceed $25,000.

Swimming Pool and Bath House—Cleveland, O.—July 23, by City, 1 story, rein.-con. swimming pool and bath house, Forest Hill Parkway. $150,000. S. Newman, City Hall, engr.

Heating, Ventilating, etc.—Columbus, Ind.—July 19, by School Trustees, remodeling and installing new heating and ventilating systems, etc. $27,000. Snider & Rotz, Indianapolis, engrs.

Heating, Ventilating, etc.—Evansville, Ind.—July 19, by Bd. Educ., 7th and Vine Sts., furnishing and installing, plumbing fixtures, water, steam heating and ventilating systems, for Delaware School, Chestnut and Walnut Sts. $30,000. Private plans.

Foundation, Pier, etc.—Chicago, Ill.—July 17, by City, Room 406, City Hall, wrecking old buildings and constructing pier foundations for police station and courts building. A. A. Sprague, comr. Pub. Wks.

Lighting System—Chicago, Ill.—July 22, by Dept. Gas & Electricity, Room 614, City Hall, extensions to lighting systems on various streets. J. T. Miller, comr.

Crane Gantries, etc.—Otahuhu, New Zealand—Sept. 30, by Railway Bd., Railway Bldg., Wellington, 2 crane gantries and 13 steel framed buildings. This corrects report in May 20 issue.

Bids Received

Borings — New York — Lake Champlain Bridge Joint Legislative Com. at office State Engineer and Surveyor, Journal Bldg., Albany, July 7, preliminary wash and core borings for bridge over Lake Champlain between New York and Vermont, from Sprague & Henwood, Monsey Ave. and New York St., Scranton, Pa., $16,575. Noted July 1.

Foundations—Long Island City, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, June 25, additional foundations for elevated railroad columns, Roosevelt Ave., east of Willets Point Blvd., Route 52, Sect. 2, here, Agreement "EN," composite piles, from P. T. Cox Contg. Co., 154 Nassau St., New York City, $94,495; timber piles, from Northeastern Constr. Co., 101 Park Ave., New York City, $109,852. This corrects report in July 1 issue.

Bulkhead, etc.—New York, N. Y.—M. Cosgrove, comr. Docks, Pier "A", foot Battery Pl. removing existing structures constructing new sheet pile return building, new bulkhead platform with wall and rebuilding Pier 46 between Perry St. and West 10th St., North River, from A. N. Spooner & Son, Pier 11, North River, $399,795. Noted July 1.

Platform Extensions—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., July 7, platform extensions to Stations Bway-4th Ave. Rapid Transit R.R., from Edwards & Flood, Inc., 186 Joralemon St., Brooklyn, $101,775. Noted June 24.

Foundation—Atlantic City, N. J.—Bd. City Comrs., foundation for convention hall, boardwalk and Pacific St., from M. B. Markland Co., Guarantee Trust Bldg., $1,077,000.

Swimming Pool and Shelter—Phila., Pa.—Dept. Pub. Welfare, Bureau of Recreation, City Hall, 35 x 90 ft. rein.-con. swimming pool, and 1 story, 98 x 124 ft., brick and steel shelter, 27th St. between Clearfield and Indiana Sts., from McCormick-Lenham Co., Broad and Tasker Sts., $32,965. Noted July 1.

Contracts Awarded

Conduit — Hartford, Conn. — City, Bd. Contr. & Supply, rein.-con. conduit east of Sisson Ave. to Park River, to A. W. Bryne & Son, 79 Linnmore St., $31,505. Engrs. est. $32,000.

Culverts, etc. — New Rochelle, N. Y. — Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, excavating, grading and culverts for Approach Rd. from Pelham Bay Rd. to Glen Island Park, here, to L. J. Seiling, Red Bank, $42,580. Noted June 17.

Running Tracks, etc.—Rocky River, O.—Bd. Educ., E. R. Sisson, clk., removing 5,000 cu.yd. dirt, constructing two 220 ft. running tracks, 30 ft. wide, and ¼ mi. oval track, 24 ft. wide, etc., to R. E. Carey Co., 1466 West 112th St., Cleveland, $16,750. Noted June 10.

Transmission Line—Oklahoma — Southwest Light & Power Co., Braniff Bldg., Oklahoma City, 153 mi., 33,000 volt electric transmission line from Lawton to Elk City and Shattuck, to C. L. Berger Constr. Co., c/o owner, $300,000.

Culverts—California—See "Bridges."

Swimming Pool, etc.—Belmont, Calif.—Monroe, Lyon & Miller, 65 Sutter St., San Francisco, swimming pool, macadam street paving, golf course and water system, etc., for Belli Monte Country Club Development, to Pacific States Constr. Co., Call Bldg., San Francisco, $100,000-$150,000.

Ornamental Lighting System—El Centro, Calif.—Ornamental street lighting system in business section, to Globe Electric Wks., 300 6th St., San Diego, $28,300.

Ornamental Lighting System — Los Angeles, Calif.—Ornamental street lighting system in portions of Adams St., to H. H. Walker, 1323 Venice Blvd., $78,578. Noted July 1.

Materials

Bids Desired

Timber—New York, N. Y.—July 23, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., timber and ties for constructing rapid transit railroads (order 15).

Frogs, Switches, etc.—Phila., Pa.—July 16, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., frogs, switches, switch points and guard rails, Contr. 15, 1926. A. C. Shand, Broad St. Sta., ch. engr. railroad.

Patch—Cleveland, O.—July 24, by Bd. Comrs. Cuyahoga Co., 1100 tons of cold patch or equal.

Granite Block—Chicago, Ill.—July 21, by Bureau of Streets, Dept. Pub. Wks., Room 406, City Hall, granite block required by during 1926. A. A. Sprague, comr. Pub. wks.

Piling—Los Angeles, Calif.—July 21, by Cial Harbor Comm., 805 Pcs. 54 to 68 ft., Douglas Fir or Southern Yellow Pine piles. Previous bids rejected.

Bids Received

Cement—Long Island City, N. Y.—M. J. Shugrue, acting pres., Richmond Boro, Boro Hall, July 6, 2,000 bags cement for Bureau of Highways, from E. E. Buehler Co., Inc., 103 Park Ave., New York City, $1,390. Noted July 1.

See proposal advertising on page 138

Constr. News page 53

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